

PROCEEDINGS
OF THE
Board of Trustees
OF THE
**Public School Teachers' Pension and
Retirement Fund of Chicago**

Regular Meeting – Official Report
Thursday, March 21, 2019

A regular meeting of the Board of Trustees of the Public School Teachers' Pension and Retirement Fund of Chicago was held Thursday, March 21, 2019.

The President, Mr. Jeffery Blackwell, called the meeting to order at 9:32 a.m.

ROLL CALL

Members present: Mr. Jeffery Blackwell, Mr. Robert F. Bures, Mr. James Cavallero, Ms. Gervaise Clay, Mr. Mark F. Furlong, Ms. Jacquelyn Price Ward, Mr. Gregory Redfeairn, Ms. Mary Sharon Reilly, Ms. Maria J. Rodriguez, Mr. Jerry Travlos, Ms. Gail D. Ward – 11

Members absent: Ms. Tina Padilla – 1

Ms. Padilla subsequently arrived at the meeting during the Report on Investments.

Also in attendance were Mr. Charles A. Burbridge (*Executive Director*), Ms. Mary Cavallaro (*Deputy Executive Director*), Mr. Daniel J. Hurtado (*Interim Chief Legal Officer*), Ms. Adriane McCoy (*Internal Audit Director*), Ms. Angela Miller-May (*Chief Investment Officer*), Mr. Joseph Burns, of Jacobs, Burns, Orlove and Hernandez (*Board Counsel*), and various observers and staff members.

CONSENT AGENDA

Motion to Approve Minutes of Regular Board Meeting on February 21, 2019, Approved

Ms. Reilly made a motion, seconded by Mr. Bures, to approve the minutes of the Regular Board Meeting on February 21, 2019. The motion passed by the following vote:

Ayes: Mr. Blackwell, Mr. Bures, Mr. Cavallero, Ms. Clay, Mr. Furlong, Mr. Redfeairn, Ms. Reilly, Mr. Travlos, Ms. Price Ward, Ms. Ward – 10

Nays: Ms. Rodriguez – 1

Approval of Board Training, Approved

Ms. Reilly made a motion, seconded by Ms. Ward, to approve the March 21, 2019, Board Training hours on Procurement. The motion passed unanimously.

Items to Move to the Omnibus

Chairperson Blackwell moved the January 14, 2019, Policy Committee Meeting Report and Recommendations to the Omnibus.

Chairperson Redfeairn moved the January 24, 2019, Technology Committee Meeting Report and Recommendations to the Omnibus.

Chairperson Rodriguez moved the March 13, 2019, Claims and Service Credits Committee Meeting Report to the Omnibus.

REPORT OF THE COMMITTEE ON CLAIMS AND SERVICE CREDITS

Application for Pensions

The Committee on Claims and Service Credits reported that applications for pensions were presented for the persons, hereinafter listed, with the recommendations that they be approved and granted in the amount and under the conditions set forth herewith.

In the case of each applicant for a service or disability pension, the employment of the teacher has terminated, the legally-prescribed minimum years of teaching service were completed, and requirements with respect to age, the Illinois Retirement Systems Reciprocal Act (if applicable), and the Illinois Pension Code were fulfilled.

Each applicant for a survivor's or reversionary pension furnished proper evidence of his/her right to receive such benefit.

REPORT OF THE COMMITTEE ON CLAIMS AND SERVICE CREDITS

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Each applicant for a survivor's or reversionary pension furnished proper evidence of his/her right to receive such benefit.

PENSIONS GRANTED

01/01/2019-01/01/2019

	Name of Member	School or Final Status	1st Check Date	Years of Service	Effective Date	Annual Pension
*	ALBERT, FRANKIE GRANT	JEFFERSON N	01-02-2019	32.82	11-11-2018	85,694.88
*	BARR, SANDY DELORIS	METCALFE COMM ACA	01-02-2019	32.67	11-22-2018	70,014.72
*	CHINN, NORMA V	YOUNG MAGNET H S	01-02-2019	11.18	11-17-2018	21,271.80
*	COWEN, MARY MIKYUNG	TAFT H S	01-02-2019	14.26	10-16-2018	21,617.52
*	JAMES, ANTHONY GERARD	LELAND	01-02-2019	25.82	05-17-2017	43,662.00
*	JANISZEWSKI, MARGARET	BRIDGE OFC OF PATHWYS TO	01-02-2019	22.65	11-18-2018	47,563.20
*	MATHER, ALAN WESLEY	COLLGE & CAR	01-02-2019	33.94	11-25-2018	126,548.40
*	MORRIS, DAVID S	EDUC GENERAL	01-02-2019	6.19	09-30-2018	3,777.72
* * Denotes preliminary pension	QUINONES, SHERRI BEEINDA	RICHARDS CAR ACAD	01-02-2019	24.67	02-18-2018	42,202.80
*	SMITH, CHARLES DUDLEY	HOYNE	01-02-2019	24.82	04-24-2018	49,173.60
*	WILSON, ROBERT	ACAD OF SCHOLASTIC ACHIEVEMENT	01-02-2019	21.48	03-03-2018	39,815.04
Total Pensions:		551,341.68				
Average Pension:		50,121.97				
Average Service Years:		22.77				
Count of Pensions		11				

PENSIONS GRANTED**02/01/2019-02/28/2019**

*	ARMSTRONG, DONNA J	POWELL	02-01-2019	34.22	01-20-2019	70,065.12
*	BIBBIE, SHERRON	DOOLITTLE EAST	02-01-2019	34.46	01-20-2019	92,059.08
*	BOUNDS-BEVERLY, MINNIE	DUNBAR VOC H S	02-01-2019	34.41	12-23-2018	74,271.12
*	COGAN, KATHRYN MARY	PROSSER CAREER AC	02-01-2019	12.11	01-06-2019	21,053.28
*	DADZIE, DORCAS	EDUC GENERAL	02-01-2019	8.09	01-06-2019	5,051.40
*	DENARDO, KAREN A	MARQUETTE, JAMES QUEEN OF ANGELS	02-01-2019	10.30	11-14-2018	7,125.12
*	DEVER, SUSAN ELIZABETH	SCHOOL	02-01-2019	14.41	01-25-2019	25,639.08
*	ESCO, MELODY CHARMAINE	SUB TEACHER POSTAL	02-01-2019	5.29	02-10-2018	3,960.96
*	JEFFERSON, LA	DETT	02-01-2019	24.97	01-06-2019	47,636.64
*	KIRK-WADE, PATRICIA ANN	CLAREMONT ACADEMY	02-01-2019	26.54	12-09-2018	54,291.84
*	KULUBALLY, MANSONG	EDUC GENERAL	02-01-2019	6.67	09-30-2018	2,774.64
*	LOUIS, CYNTHIA DENISE	EDUC GENERAL	02-01-2019	21.93	01-06-2019	38,776.56
*	MEDINA, LILLIAN	CARSON	02-01-2019	27.01	01-23-2019	62,408.40
*	MENDOZA, CARMEN ALICIA	MCPHERSON	02-01-2019	34.37	01-06-2019	125,128.44
*	MITCHELL-VALRIE, SHIRLEY A	ASHE	02-01-2019	11.85	10-14-2018	19,149.36
*	MOSS, KENNETH	KELLY H S	02-01-2019	31.81	09-02-2018	69,003.72
*	QUEEN-THOMAS, BEVERLY L	FAIRFIELD ACADEMY	02-01-2019	16.03	12-20-2018	28,130.16
*	ROSENWASSER, AMY	PRITZKER	02-01-2019	21.41	01-06-2019	46,360.20
*	SANCHEZ, DEBORAH LYNETTE	BEAUBIEN	02-01-2019	32.81	01-06-2019	67,431.12
*	SAPIA, BENNETT JOSEPH	EDUC GENERAL	02-01-2019	21.93	08-12-2018	40,472.40
*	SHANNON, KELLY A	HAWTHORNE ACAD	02-01-2019	7.06	12-16-2018	4,395.48
*	SIERRA TORO, ELENA	MONROE	02-01-2019	25.29	12-09-2018	34,812.48
*	STRADFORD, LESLEE		02-01-2019	5.50	02-02-2012	3,210.48
*	WESTBROOK, STANLEY YOUNG-HARRELL, LINDA	CURIE METRO H S	02-01-2019	20.92	01-06-2019	40,275.72
*	DARNELL	JEFFERSON N	02-01-2019	25.97	01-26-2019	60,938.76
*	ZELEK, LAWRENCE C	MARSHALL METRO H	02-01-2019	10.16	07-20-2014	5,734.68

Total Pensions:	1,050,156.24
Average Pension:	40,390.62
Average Service Years:	20.21
Count of Pensions	26

* Denotes preliminary pension

PENSIONS FINALIZED**01/01/2019-01/01/2019**

Name of Member	School or Final Status	1st Check Date	Years of Service	Effective Date	Annual Pension
AMARO, LAURA	SEWARD	08-01-2016	24.36	01-2019	49,627.92
BEDENFIELD-HERRON, LORI A BONNEY-LARAMORE, VANESSA	EDUC GENERAL	10-02-2017	20.70	01-2019	36,331.20
JOYCE	SPEC SVCS SUP	07-03-2017	29.72	01-2019	65,698.92
BOPP, MARY CARYL	MT GREENWOOD	07-03-2017	24.00	01-2019	49,982.88
CAMPBELL, RHONDA DARLENE	BOND	07-03-2017	34.85	01-2019	64,746.60
COLEMAN, SHERRY GAYLE	DUNBAR VOC H S	07-03-2017	32.98	01-2019	74,137.68
DYREK, TED	EDUC GENERAL	08-01-2016	17.93	01-2019	12,023.28
EDWARDS, JUANITA JANE	YOUNG	07-03-2017	32.94	01-2019	71,184.84
ELLIS, JUDITH SUE	DECATUR CLASSICAL	07-03-2017	34.90	01-2019	75,378.96
GAAL, LOUIS JOHN	HEALY	07-03-2017	18.00	01-2019	37,055.52
GODER, HANIFA ABDULLAH	EDUC GENERAL	07-01-2016	18.84	01-2019	12,257.04
HANSELMAN, WILLIAM ALLEN	KENWOOD ACAD H S	08-01-2017	33.97	01-2019	68,307.72
HAYES-WILLIAMSON, DIANA	SPEC SVCS SUP	08-03-2015	22.95	01-2019	44,069.04
HOLMBERG, MAUREEN M	AL RABY HS	12-01-2017	13.06	01-2019	23,220.24
HOPKINS, MARCIA	HAUGAN	02-01-2018	21.13	01-2019	42,920.88
HOWARD, TRUDI ANN	GOUDY	11-01-2016	26.52	01-2019	51,865.20
JOHNSON, ESTHER D	ALEX HALEY ACAD	09-01-2017	12.54	01-2019	22,933.44
JONES, JOHN JOSEPH	SARAH GOODE HS	08-01-2017	34.32	01-2019	76,828.56
KAUR, SATWINDER LOQUINTE, DIOSCORO	EDUC GENERAL	06-01-2016	8.82	01-2019	4,858.68
MICULOB	JULIAN H S	07-03-2017	16.37	01-2019	36,027.60
MATTHEWS, ANN MARIE	HARLAN COMM ACAD	07-03-2017	27.44	01-2019	58,686.00
MILLER, RENITA C. CAROL	HUGHES/DAVIS	01-03-2017	25.62	01-2019	68,867.88
MORENO, OFILIA	SPEC SVCS SUP	10-01-2015	20.85	01-2019	38,950.44
MOSS, LAURA WILLIS	SO SHORE COMM ACA	08-01-2018	10.11	01-2019	22,161.60
PERISIN, JULIANA LOUISE	EDUC GENERAL	11-01-2016	33.24	01-2019	93,467.16

Name of Member	School or Final Status	1st Check Date	Years of Service	Effective Date	Annual Pension
PLESZKIEWICZ, DARIA IVANNA	TILL, EMMITT	03-01-2018	20.12	01-2019	40,603.68
POLK, LARRY LEVORN	SIMEON CAREER ACA	07-03-2017	34.32	01-2019	71,182.68
PRYOR, DEBRA ANN	MASON	07-03-2017	34.99	01-2019	71,125.92
REYES, JULIA ANNE	HIBBARD	07-03-2017	34.53	01-2019	71,184.00
SEFEROVIC, SELENA	MONROE	08-01-2016	18.30	01-2019	34,871.16
SELLKE, ELIZABETH	NEWBERRY MAGNET	08-01-2017	20.32	01-2019	41,641.20
SHARP, DAISY L	EDUC GENERAL	07-03-2017	15.63	01-2019	27,955.92
SLEDD, LANELL	HARLAN COMM ACAD	09-01-2017	26.40	01-2019	53,592.36
SMITH, JOE L	DRAKE	07-03-2017	20.39	01-2019	42,250.20
TARDY, MICHELE IRENE	DURKIN PARK SCHOO	07-03-2017	19.08	01-2019	40,369.20
TILLER, GWENDOLYN V	PARKER COMM ACAD	07-03-2017	28.36	01-2019	62,687.76
TSUJIMOTO, JOY LORI	BELL	07-03-2017	35.41	01-2019	68,308.44
WALTON, ROCHEL L	LAVIZZO ELEMENTAR	12-01-2016	29.93	01-2019	45,996.00
WAMBUGU, EDWARD GITUTO	SIMEON CAREER ACA	11-01-2017	21.23	01-2019	32,799.12
WILLIAMS JONES, RITA RENEE	CHICAGO VOCATIONA	09-01-2016	23.87	01-2019	46,650.60
Total Pensions:	1,952,807.52				
Average Pension:	48,820.19				
Average Service Years:	24.48				
Count of Pensions:	40				

PENSIONS FINALIZED**02/01/2019-02/28/2019**

Name of Member	School or Final Status	1st Check Date	Years of Service	Effective Date	Annual Pension
BALLESTEROS, LEOBARDO M	TELPOCHCALLI	07-02-2018	20.86	02-2019	42,883.92
BASS-FRENCH, CARMELITA KIM	BEASLEY ACAD MAG	11-01-2016	26.86	02-2019	43,802.04
BECKETT, DEBORA	SPEC SVCS SUP	07-03-2017	31.44	02-2019	72,341.04
BLACK, PAMELA SIMS	COURTENAY	07-01-2016	20.06	02-2019	40,468.44
BOONE, SHARON LEE	EDUC GENERAL	07-03-2017	24.22	02-2019	46,056.48
BRYANT, VALERIA ONEAL	IRVING	08-01-2017	27.36	02-2019	87,211.32
CAMPOS, VALERIE	TAYLOR	08-01-2017	34.59	02-2019	71,182.68
CARNEY, DIANE L	NIGHTINGALE	03-01-2017	9.09	02-2019	17,549.28
CRAIG, ROBIN SHELLEY CUNNINGHAM, CATHLEEN	PARKER COMM ACAD	07-03-2017	34.20	02-2019	71,175.36
ADELE	WASHINGTON H S	07-03-2017	14.51	02-2019	25,419.36
DEPRIEST, WESLEY L	SEWARD	11-01-2017	41.99	02-2019	72,090.24
DEVLIN, ARLENE FRANCES	SHIELDS	10-02-2017	30.92	02-2019	59,320.20
EDGE, MARTRICE	METCALFE COMM ACA	07-03-2017	31.73	02-2019	60,646.56
FLORES, ANTONIO	CARVER MILITARY	09-01-2017	21.76	02-2019	42,491.76
FOGARTY, ANNA JANICE	SAWYER	09-01-2017	28.02	02-2019	42,845.76
GILFILLIAN, JACQUELINE ANETTA GONSALVES, MAUREEN	MCPHERSON	11-01-2017	31.83	02-2019	66,332.52
JACQUELYN	SPEC SVCS SUP	07-03-2017	24.39	02-2019	49,638.12
GORNY, JEANNINE MARIE	DAWES	08-01-2017	35.49	02-2019	97,714.20
GREEN-GATES, DARLENE	PARKSIDE COMM ACA	11-01-2017	18.44	02-2019	35,112.96
GRESHAM, ROSALIND F	CURIE METRO H S	07-01-2016	12.47	02-2019	24,058.44
HAMPTON, GLORIA C	JENNER	07-01-2017	16.10	02-2019	34,015.80
HANNON, JULIUS ALFONSO	EDUC GENERAL	02-01-2017	27.10	02-2019	26,113.68
HEMPHILL, ROCHELLE P	SPEC SVCS SUP	07-03-2017	23.90	02-2019	47,178.12
HONCHAREVICH, LINDA M	J. RICHARDSON MIDDLE	03-01-2018	21.66	02-2019	47,069.64
JAGLOIS, JAMES JEFFERY	LINCOLN PARK H S	07-03-2017	21.27	02-2019	44,195.52
KINKUS, THOMAS J	AMUNDSEN H S	03-01-2017	21.15	02-2019	46,215.96
KLEIN, EDWINA LOUISE	PORTAGE PARK	07-03-2017	37.80	02-2019	71,076.12
KOERNER-SOLOCK, MAURINE	SPEC SVCS SUP	07-03-2017	21.99	02-2019	49,869.12
LESLIE, KURT E		10-01-2018	2.90	02-2019	3,922.68
LEWIS, DARNELL E	SPEC SVCS SUP	07-03-2017	20.92	02-2019	46,546.32

Name of Member	School or Final Status	1st Check Date	Years of Service	Effective Date	Annual Pension
LUCAS, KARLA M	GOMPERS	07-03-2017	32.82	02-2019	63,007.44
MANUEL, DOLORES	GRAHAM TRAINING C	07-03-2017	32.12	02-2019	71,133.12
MARSH, LEONARD A	NIXON	08-01-2017	21.31	02-2019	33,438.12
MILLER, RENITA C. CAROL	HUGHES/DAVIS	01-03-2017	25.62	02-2019	68,867.88
MUELLER, ANDREAS E	CURIE METRO H S	08-01-2017	26.07	02-2019	46,299.00
NEASON, DEBRA A	SPEC SVCS SUP	09-01-2016	14.31	02-2019	26,022.36
NOLEN-PETERS, VIANNA	WACKER	07-03-2017	20.05	02-2019	49,996.20
NORISE, EMMA WEBB	DUNBAR VOC H S	07-03-2017	21.48	02-2019	46,473.12
PAUL, JAMES FREDRICK	HANSON PARK	12-01-2016	33.34	02-2019	66,337.80
PERRYMAN, MARIA LOUISE	ARMSTRONG G	08-01-2017	23.41	02-2019	48,775.20
PREAR, HENRY	SPEC SVCS SUP	08-01-2017	31.22	02-2019	67,891.08
REDMAN, ANDREA L		10-01-2018	6.08	02-2019	18,050.64
RIVERA, CYNTHIA	HAUGAN	08-01-2017	25.80	02-2019	48,229.32
SAINI, TRIPTA DEVI	EDUC GENERAL	07-01-2016	7.46	02-2019	4,616.40
SOMMERFELD, FRANK H	BOGAN TECH H S	07-01-2016	16.52	02-2019	31,440.12
STEINMILLER, SUSAN S	EDUC GENERAL	07-03-2017	23.54	02-2019	36,640.32
VAN LYSEBETTENS, A KENNETH	LOCKE	10-01-2018	26.43	02-2019	41,521.56
WHITE, LISA F	LASALLE MG	10-02-2017	8.13	02-2019	11,732.52
WHITEMILLER, GARRY DANIEL	STEVENSON	10-02-2017	33.01	02-2019	73,100.04
WILHOITE, MATILDA J	SPEC SVCS SUP	07-03-2017	20.21	02-2019	45,877.92
WILLIAMS, GERTRUDE L	SULLIVAN SPECIALT	04-03-2017	16.25	02-2019	31,923.48
WILLIAMS, PATSY LUCILLE	BOND	08-01-2017	30.48	02-2019	63,628.20
Total Pensions:	2,479,545.48				
Average Pension:	47,683.57				
Average Service Years:	23.67				
Count of Pensions:	52				

RECIPROCAL RETIREMENT PENSIONS**1/01/2019-1/31/2019**

Name of Member	School or Final Status	1st Check Date	Years of Service	Effective Date	Annual Pension
* ARNOLD, SALOME M	EDUC GENERAL	01-01-2019	2.78	10-01-2016	1,335.00
* DAVIES, JEAN M.	TILDEN H S	01-02-2019	3.20	01-01-2019	4,030.44
* EGLER, GERARD	TAFT H S	01-02-2019	4.11	08-05-2018	10,327.56
GUBIN, DEBORAH J		01-02-2019	3.00	12-03-2018	9,590.16
* MARTINEZ, KATHERINE	BOWEN H S	01-02-2019	0.50	01-01-2019	1,138.44
* MCDERMOTT, MARK	DE PRIEST	01-02-2019	11.79	10-28-2018	22,505.04
* PICKENS, GARY E	STEINMETZ A C	01-02-2019	3.00	01-01-2019	7,061.16
* TILSCH, DOUGLAS BRETT	MATHER H S	01-02-2019	18.22	08-02-2018	35,534.88
TOME CZKO, CHRISTINE	ODLSS NETWORK	01-01-2019	18.24	12-23-2018	40,313.04
* ANTONETE	SUPPORTS				
Count of Pensions:	9				
Total Pensions:	131,835.72				
Average Pension:	14,648.41				
Average Service Years:	7.20				

*** Denotes preliminary pension**

RECIPROCAL RETIREMENT PENSIONS

2/01/2019-2/28/2019

Name of Member	School or Final Status	1st Check Date	Years of Service	Effective Date	Annual Pension
* BURKE, MARY A.	STEVENSON	02-01-2019	11.71	01-06-2019	21,853.08
* DAVIS, STEVEN D	SUB TEACHER POSTAL	02-01-2019	1.83	02-01-2019	3,861.36
* DEJESUS, ANGEL	WESTINGHOUSE CAR	02-01-2019	13.00	11-16-2018	24,386.40
* DIAZ, ANTONIA VAZQUEZ	DAVIS	02-01-2019	23.21	11-25-2018	45,004.68
* FELDMAN, DIANE L	SUB TEACHER POSTAL	02-01-2019	1.08	11-01-2018	943.92
* HARRIS, CALVIN	BROWN	02-01-2019	1.75	02-01-2019	1,615.68
* OCONNOR, VALENTINA LUPU	EDUC GENERAL	02-01-2019	18.30	10-16-2018	37,009.32
* RAISNER, HILDA L		02-01-2019	5.85	02-01-2019	11,786.64
* ROARTY, DENIS K	CHAVEZ	02-01-2019	8.88	02-01-2019	14,589.60
* SUGIYAMA, PATRICIA ANN	GREELEY	02-01-2019	27.02	01-20-2019	58,348.56
* VALDEZ, HELEN		02-01-2019	7.95	02-01-2019	12,503.76

Count of Pensions:	11
Total Pensions:	231,903.00
Average Pension:	21,082.09
Average Service Years:	10.96

* Denotes preliminary pension

SURVIVORS PENSIONS**1/01/2019-1/31/2019**

Name of Member	1st Check Date	Years of Service	Effective Date	Annual Pension
BELICA, MARTHA R <i>(WIFE OF MICHAEL J BELICA)</i>	01-02-2019	6.00	09-01-2018	9,731.04
CONRICK, CAMILLA I. <i>(WIFE OF WILLIAM F CONRICK)</i>	01-02-2019	38.30	10-01-2018	32,533.32
GALLUZZI, ROCHELLE A <i>(WIFE OF WILLIAM S GALLUZZI)</i>	01-02-2019	45.50	08-01-2018	34,417.32
HAYES, MARCIA M. <i>(WIFE OF EDWARD J HAYES)</i>	01-02-2019	35.80	10-01-2018	35,442.84
JABLONSKI, EDWARD D. <i>(HUSBAND OF PATRICIA J JABLONSKI)</i>	01-02-2019	30.10	09-01-2018	23,494.68
KIDD, TAMMELEN R <i>(HUSBAND OF ANDREA REGINA KIDD)</i>	01-01-2019	26.16	09-01-2018	42,469.68
MAGNUS, ELISE A. <i>(DAUGHTER OF MICHELLE R MAGNUS)</i>	01-02-2019	10.78	10-15-2017	3,105.60
MAGNUS, DANIEL K <i>(HUSBAND OF MICHELLE R MAGNUS)</i>	01-02-2019	10.78	10-15-2017	3,105.60
MAGNUS, AUDREY. <i>(DAUGHTER OF MICHELLE R MAGNUS)</i>	01-02-2019	10.78	10-15-2017	3,105.60
MALDONADO-EATON, LINDA GUADALUPE <i>(WIFE OF DAVID J EATON)</i>	01-02-2019	50.45	10-01-2018	33,241.56
MCFERSON, CORNELIUS <i>(HUSBAND OF HARRIETT L MCFERSON)</i>	01-02-2019	10.78	08-01-2018	3,521.40
MURPHY, JEFFRY B <i>(HUSBAND OF DONNA HARRIS MURPHY)</i>	01-02-2019	31.83	07-01-2018	32,461.32
PETRY, ADELINE E. <i>(WIFE OF THEODORE PETRY)</i>	01-02-2019	18.40	08-01-2018	13,002.48

SALLAMME, JACQUELINE Y	01-02-2019	36.80	11-01-2018	36,904.80
<i>(WIFE OF JEROME S SALLAMME)</i>				
SAMUELS, SHELWIN M.	01-02-2019	33.10	04-01-2018	34,799.88
<i>(HUSBAND OF ROSALIE SAMUELS)</i>				
SCAFIDE, JACK J.	01-02-2019	18.62	11-01-2018	21,324.60
<i>(HUSBAND OF CAROL ANN SCAFIDE)</i>				
WOODING, JOHN DAVID	01-02-2019	3.50	08-01-2018	2,899.80
<i>(HUSBAND OF ROSEMARY G WOODING)</i>				

Count of Pensions:	17
Total Pensions:	365,561.52
Average Pension:	21,503.62
Average Service Years:	24.57

SURVIVORS PENSIONS

2/01/2019-2/28/2019

Name of Member	1st Check Date	Years of Service	Effective Date	Annual Pension
APTER, JOHN R	02-01-2019	3.00	11-01-2018	1,064.52
<i>(HUSBAND OF SHERRY APTER)</i>				
BIRMINGHAM, JR., EDWARD PATRICK	02-01-2019	25.48	12-01-2018	19,059.96
<i>(HUSBAND OF MARY BETH BIRMINGHAM)</i>				
BRUHNS, JUDITH S.	02-01-2019	16.80	01-01-2018	11,985.96
<i>(WIFE OF MELVYN T BRUHNS)</i>				
CHRISTIANSON, EDWARD A	02-01-2019	21.10	08-01-2018	13,006.68
<i>(HUSBAND OF MARGARET M CHRISTIANSON)</i>				
COYLE, KAREN ELAINE	02-01-2019	37.80	10-01-2018	34,351.20
<i>(WIFE OF CURTIS COYLE)</i>				
EDROZO JR, PABLO A.	02-01-2019	7.11	11-01-2010	3,094.92
<i>(HUSBAND OF PAZ O EDROZO)</i>				
FRANKLIN, CATRINA DAWN	02-01-2019	11.00	12-01-2018	8,726.88
<i>(WIFE OF ALLEN R FRANKLIN)</i>				
GERSON, IRA S	02-01-2019	26.50	11-01-2018	25,683.00
<i>(HUSBAND OF NOREEN F GERSON)</i>				
GIBSON, SUSAN L.	02-01-2019	44.30	11-01-2018	56,050.80
<i>(WIFE OF MAMON GIBSON)</i>				
GILLIAM, THOMAS.	02-01-2019	23.20	11-01-2018	16,915.20
<i>(HUSBAND OF KATHLEEN GILLIAM)</i>				

HEISTAD, BARBARA J	02-01-2019	39.60	09-01-2018	37,924.92
<i>(WIFE OF WALLACE O HEISTAD)</i>				
KONCZAL, DENNIS E.	02-01-2019	31.95	12-01-2018	28,144.68
<i>(HUSBAND OF NIJOLE KONCZAL)</i>				
MATUSZAK, DAVID J	02-01-2019	36.40	01-01-2019	34,037.76
<i>(HUSBAND OF LINDA J MATUSZAK)</i>				
PARADISO, JAMES RAYMOND.	02-01-2019	28.22	12-01-2018	31,899.84
<i>(HUSBAND OF SUSAN VALERIE PARADISO)</i>				
PETERSON, CLAUDETTE.	02-01-2019	39.20	12-01-2018	66,889.80
<i>(WIFE OF DAVID T PETERSON)</i>				
ROSING, ELAINE F	02-01-2019	9.80	11-01-2018	9,221.40
<i>(WIFE OF HERBERT ROSING)</i>				
SCHWAGER, BARBARA K	02-01-2019	34.20	11-01-2018	34,481.64
<i>(WIFE OF THOMAS M SCHWAGER)</i>				
SMITH, ELIZABETH	02-01-2019	35.00	11-01-2018	34,388.64
<i>(WIFE OF JAMES M SMITH)</i>				
STEADMAN, PATRICIA ANN	02-01-2019	5.15	09-01-2018	2,926.92
<i>(WIFE OF PAUL R STEADMAN)</i>				
TAZIC, MARY E	02-01-2019	35.40	10-01-2018	46,058.04
<i>(WIFE OF GERALD J TAZIC)</i>				
WALKER, SR, JAMES L.	02-01-2019	31.10	11-01-2018	21,768.00
<i>(HUSBAND OF ORA N WALKER)</i>				
WARREN, PHILIP	02-01-2019	38.00	11-01-2018	33,184.08
<i>(HUSBAND OF EVELYN WARREN)</i>				

Count of Pensions:	22
Total Pensions:	570,864.84
Average Pension:	25,948.40
Average Service Years:	26.38

SUMMARY OF PENSIONS GRANTED**01/01/2019-01/31/2019**

	At this Meeting	Year to date
PENSIONS	11	271
RECIPROCAL SERVICE RETIREMENT PENSIONS	9	118
SURVIVOR PENSIONS	17	123
REVERSIONARY PENSIONS	0	2
FINALIZED PENSIONS	40	256

SUMMARY OF PENSIONS GRANTED**02/01/2019-02/28/2019**

	At this Meeting	Year to date
PENSIONS	26	297
RECIPROCAL SERVICE RETIREMENT PENSIONS	11	129
SURVIVOR PENSIONS	22	145
REVERSIONARY PENSIONS	0	2
FINALIZED PENSIONS	52	308

CANCELLATION OF PENSIONS

The Committee on Claims and Service Credits reported that pursuant to the law, the pensions of the following persons were cancelled upon the date of attainment of legal age. The Committee recommended that the cancellations shown below be confirmed and reported in the proceedings of this meeting.

1/01/2019-1/31/2019

Name	Reason	Type of Pension	Rate Of Pension	Date Cancelled
FRYREAR JASPER B	EXCEED AGE LIMIT	SURVIVORSHIP-STEP W/2.2	163.15	01-31-2019
HARBISON ISABELLA A	EXCEED AGE LIMIT	SURVIVORSHIP - 2.2	998.36	01-31-2019
HARBISON VICTORIA A	EXCEED AGE LIMIT	SURVIVORSHIP - 2.2	998.36	01-31-2019

2/01/2019-2/28/2019

Name	Reason	Type of Pension	Rate Of Pension	Date Cancelled
ALEX CHRISTINE	EXCEED AGE LIMIT	SURVIVORSHIP - 2.2	434.05	02-28-2019

DEATH BENEFITS

The Committee on Claims and Service Credits reported that documents pertaining to claims for death benefits were examined and verified, and recommended approval.

In support of these claims, the Committee reported that death benefits were for persons whose dates of death were certified and whose heirs, beneficiaries, administrators, or executors furnished proper evidence to receive such payments.

01/01/2019-01/31/2019

SINGLE PAYMENT OF DEATH BENEFIT

ALTVATER, BARBARA J	MIMI G STOCKTON	1,250.00
ANTHONY, MARGARET	THOMAS J ANTHONY	1,666.66
APTER, SHERRY	JOHN R APTER	5,000.00
BASTIEN, MARILYN P	THERESE BREZINSKI	1,250.00
BIRMINGHAM, MARY BETH	EDWARD PATRICK BIRMINGHAM, JR.	5,000.00
BOISVERT, MARGARET	RAPHAEL J BOISVERT JR.	2,500.00
BRODERICK, ANNE M	JOHN M BRODERICK	1,000.00

BRUHNS, MELVYN T	JUDITH S. BRUHNS	5,000.00
CHRISTIANSON, MARGARET M	EDWARD A CHRISTIANSON	5,000.00
COOKSEY, FREDDIE M.	KAYE FRANCES COOKSEY	5,000.00
COYLE, CURTIS	KAREN ELAINE COYLE	5,000.00
DENIHAN, MARY JANE	PATRICK M DENIHAN	1,666.66
DESVIGNES, GWENDOLYN	ROBERT L DESVIGNES	2,500.00
DONATTO, JUDY M.	BONNIE ANNE DONATTO CROFT	1,700.00
EDROZO, PAZ O.	PABLO A EDROZO JR	1,666.67
	DULCEVITA MARIE EDROZO-BROCK	1,666.67
	MARIA CECILIA O EDROZO	1,666.67
FRANKLIN, ALLEN R	CATRINA DAWN FRANKLIN	5,000.00
GARCIA, DAVID	DAVINA M PULLIAM	5,000.00
GERSON, NOREEN F.	IRA S GERSON	2,500.00
GIBSON, MAMON	SUSAN L GIBSON	5,000.00
GILLIAM, KATHLEEN	THOMAS GILLIAM	5,000.00
HEISTAD, WALLACE O.	BARBARA J HEISTAD	5,000.00
JAMES, ALICE G	MAUREEN PASSARELLI	5,000.00
JAMES, MARY M	ANTHONY GERARD JAMES	5,000.00
JENIG, MARY E	RICHARD JENIG	5,000.00
JOHNSON, DOLORES A	WORTHINGTON CHRISTIAN JOHNSON	1,666.66
JOHNSON, JOYCE L	JAMES JOHNSON	5,000.00
JOHNSON, ROSIE CALHOUN	CAROLYN CALHOUN	5,000.00
JOHNSON, UNDINE D.	KRISTIN UNA (MARTIN) COLLAZO	5,000.00
KAYNE, ROSEMARY	JOSEPH S KAYNE	1,666.50
	ALLISON R KOMMELL	1,667.00
KIEHN, DANIEL R	DANIEL G KIEHN	2,500.00
KONCZAL, NIJOLE	DENNIS E KONCZAL	5,000.00
LOUDON, KELLY	CHRISTOPHER M LOUDON	2,500.00
	STEPHEN M LOUDON	2,500.00
	GREGORY LOUDON	2,500.00
	TRACY E MOENKHAUS	2,500.00
LOVE, REBECCA C	DEBORAH REBECCA GRANT	5,000.00
MARKOVITZ, HARRIET J.	ELLEN LOUISE MARKOVITZ OBERLIN	1,666.67
MATUSZAK, LINDA J	DAVID J MATUSZAK	5,000.00
MONTOYA, AMOR A.	ANGELES AMOR MOX	2,500.00
	DORA ELENA MONTOYA	2,500.00
MONTVILLE, JOHN J	MICHELLE LEWANDOWSKI LENAGH	5,000.00
MORAN, EILEEN M.	LAURETTA J MORAN	1,250.00
	KEVINNE ANN MORAN	1,250.00
	KATHLEEN MORAN GAICHAS	1,250.00
	KIERAN W MORAN	1,250.00
MOYA, LUIS LENIN	CANDIDA MOYA	2,500.00

	CRISTINA MARIA ARRIAGA	2,500.00
NOBLES, ORA WEDDINGTON	CYNTHIA L NOBLES	5,000.00
NOVACEK, HELEN	JEROL J NOVACEK	1,000.00
O'NEILL, HELEN C	CONOR M MINER	555.55
	STEPHEN PATRICK SCHNACKEL	555.55
	PATRICIA MINER	555.55
	PATRICK MINER	555.55
	STEPHEN MINER	555.55
PARADISO, SUSAN VALERIE	JAMES RAYMOND PARADISO	5,000.00
PARR, LANDIE C	CELESTINE CAROL WILLIAMS	5,000.00
PETERSON, DAVID T	CLAUDETTE PETERSON	5,000.00
SAWYER, WESLEY E	BRENDA J. SAWYER	5,000.00
SCHWAGER, THOMAS M	BARBARA K SCHWAGER	5,000.00
SISTO, ROSE MAE	COLLEEN R WIENOLD	5,000.00
SLATTERY, MARY F	PATRICK RYAN SLATTERY	1,250.00
SOELTER, BETTY J	TERRY BERLINGER	2,500.00
	THOMAS SOELTER	2,500.00
STEADMAN, PAUL R	PATRICIA ANN STEADMAN	4,512.19
TAZIC, GERALD J	MARY E TAZIC	5,000.00
TRAVIS, SUSIE B	WARREN EDWARD TRAVIS	3,000.00
	LYNCH RODONALD TRAVIS	1,000.00
WALKER, ORA N	JAMES L WALKER, SR	1,666.66
	JAMES WALKER, JR	1,666.67
WARD, JEAN W	GEORGE M WARD	2,500.00
WARREN, EVELYN	PHILIP WARREN	5,000.00
WATERSTRAAT, JOAN	DENISE SCHALLER	1,250.00
	THOMAS G WATERSTRAAT	1,250.00
	WILLIAM G WATERSTRAAT	1,250.00
	FRANCIS L WATERSTRAAT	1,250.00
WOLINETZ, HYMEN J	MIRIAM L AXELROD	5,000.00
ZAYED, MIRIAM R	HYTHEM ZAYED	1,250.00
	ZAHIA-LENA R HUSSEN	1,250.00
	BELAL ZAYED	1,250.00
	KHAWLA MURAD	1,250.00
		\$244,573.43

01/01/2019-01/31/2019

REFUND OF CONTRIBUTIONS

DEMSETZ, FRITZIE E	TINA HERPE	612.53
	FREDA L DEMSETZ	612.52
HARTMAN, JAYNE E	BRIAN C BALDWIN	864.92
HOWARD, RUTH ANN	AARON C HOWARD	12,778.44
	AALIYAH NASHA STEELE	12,778.43

LOUDON, KELLY	TRACY E MOENKHAUS	24,757.18
	CHRISTOPHER M LOUDON	24,757.35
	GREGORY LOUDON	24,757.35
	STEPHEN M LOUDON	24,757.35
RAY, DALE	ELIZABETH GWYNN RAY	98,951.97
SCOTT, CLAUDIA H	ESTATE OF CLAUDIA SCOTT	1,698.11
		\$227,326.15
GRAND TOTAL OF ALL DEATH BENEFITS		\$471,899.58

02/01/2019-02/28/2019

SINGLE PAYMENT OF DEATH BENEFIT

ALTVATER, BARBARA J.	PHILLIP C ALTVATER	1,250.00
	PETER G SCHEFFLER	1,250.00
BASTIEN, MARILYN P	ROBERT T BASTIEN	1,250.00
BESSER, THEODORE H	TIMOTHY P BESSER	5,000.00
BLACKBURN, OLIVIA E.	FIRST UNITED METHODIST CH.	1,250.00
BLACKMAN, NATHANIEL	BELINDA D BLACKMAN	2,500.00
	NATHIEL BLACKMAN III	2,500.00
BLIM, HENRY L	ROBERT BLIM	5,000.00
BOUCHER, JEANNETTE	HENRI BOUCHER	1,666.67
BRAHOS, HELEN T	ORPHEUS JOHN BRAHOS	2,500.00
	NICHOLAS S BRAHOS	2,500.00
BRENNAN, EDWARD D	THERESE LABNO	5,000.00
BRISBY, HENRY	BERNICE BRISBY	2,500.00
BROWN, RUBY S.	ILA V BROWN	2,500.00
BRYANT-MOORE, CAROL	CTPF (TO OFFSET OVRPYMT)	582.50
ALTVATER, BARBARA J.	PHILLIP C ALTVATER	1,250.00
	PETER G SCHEFFLER	1,250.00
BASTIEN, MARILYN P	ROBERT T BASTIEN	1,250.00
BESSER, THEODORE H	TIMOTHY P BESSER	5,000.00
BLACKBURN, OLIVIA E.	FIRST UNITED METHODIST CH	1,250.00
BLACKMAN, NATHANIEL	BELINDA D BLACKMAN	2,500.00
	NATHIEL BLACKMAN III	2,500.00
BLIM, HENRY L	ROBERT BLIM	5,000.00
BOUCHER, JEANNETTE	HENRI BOUCHER	1,666.67
BRAHOS, HELEN T	ORPHEUS JOHN BRAHOS	2,500.00
	NICHOLAS S BRAHOS	2,500.00
BRENNAN, EDWARD D	THERESE LABNO	5,000.00
BRISBY, HENRY	BERNICE BRISBY	2,500.00
BROWN, RUBY S.	ILA V BROWN	2,500.00
BRYANT-MOORE, CAROL	CTPF (TO OFFSET OVRPYMT)	582.50
	PATRICIA BRYANT	1,472.50
	IVAN E BUSH JR.	1,472.50

BULMASH, CAROL J.	BERTHA JEAN BALLARD.	5,000.00
BURGER, MICHAEL E.	CHRISTOPHER BURGER.	2,500.00
	AMY WISEMAN.	2,500.00
CALA, BRUCE A.	JEREMY LEONARD CALA.	2,500.00
	ADRIAN JAMES CALA.	2,500.00
CAMERON, JANET L.	FRANCES KATHLEEN DEW.	5,000.00
CARPENTER, JAMES L.	CTPF (TO OFFSET OVRPYMT).	5,000.00
CHARLIER, ROGER H.	CONSTANCE C CHARLIER.	5,000.00
CHRISTMAS, PHYLLIS R.	CTPF (TO OFFSET OVRPYMT).	756.74
	MARY J LYLE.	4,243.26
CHRISTY, ANDRIA.	HAROLD ANDREW CRISTY.	5,000.00
COMBS, PAUL L.	DOROTHY M COMBS.	5,000.00
COSEY, JEANETTE D.	CTPF (TO OFFSET OVRPYMT).	5,000.00
DANNER, ROBERT W.	KATHERINE A CASEY.	2,500.00
DUKES, ESTRELLITA J.	EUGENE SMITH JR.	1,650.00
	KRISTIN YVETTE SMITH.	1,700.00
	DAMITA L COX.	1,650.00
EHRlich, ALICIA JUDITH.	MIRIAM C EHRlich.	4,000.00
	STEVEN E EHRlich.	1,000.00
FERGUSON, ORA.	TASHIWA D GREGORY.	1,500.00
	MIASHA GREGORY.	1,500.00
FLAGG, LYNDIA JEAN.	LATRICIA S RUNLES.	1,120.00
	LEVON FLAGG.	2,400.00
	SIM RUNLES III.	1,120.00
GLEN, ANN E.	PAUL M GLEN.	1,129.79
	CATHERINE F GLEN-PUSCHETT.	1,129.80
	CTPF (TO OFFSET OVRPYMT).	2,740.41
HALPRIN, FLORENCE.	JUDY BUTLER.	5,000.00
HAMPTON, JUANITA R.	BRIAN C JONES, SR.	5,000.00
HARRIS, DELORES J.	CAROL LEE SANDER.	2,500.00
HEASTON, PATRICIA Y.	CTPF (TO OFFSET OVRPYMT).	5,000.00
HENIADES, RUBY.	VENITA H DONNELLAN.	1,666.67
	JOANNE HENIADES.	1,666.67
HICKMAN, FRED L.	CTPF (TO OFFSET OVRPYMT).	5,000.00
HILLMAN, GERALD R.	MARGARET ANN HILLMAN.	5,000.00
HORNSBY, SHARON DENISE.	CTPF (TO OFFSET OVRPYMT).	5,000.00
HOWELL, KANZETTA.	EDWARD L BYRD.	5,000.00
HUDSON, HENRIETTA L.	CTPF (TO OFFSET OVRPYMT).	5,000.00
JACKSON, LEROY WENDELL.	KIMBERLY JACKSON.	2,500.00
JAMES, NELLA.	YVETTE VALERIE JAMES.	1,666.66
JASIONOWSKI, JOHN J.	MARY KATHERINE JASIONOWSKI.	5,000.00
JOHNSON, FRANCES M.	CTPF(TO OFFSET OVRPYMT).	4,728.84
	VALERIE PATRIZI.	271.16
JOYCE, JUDITH M.	DAVID ADAMS.	10,000.00
KEINIGSBERG, DELPHINE E.	JOAN P SACKS.	5,000.00

KIDD, ANDREA REGINA	.....SYMONE KIDD	.....1,980.00
KOSOVER, DOLORES	.....DOLORES KOSOVER TRUST	.....5,000.00
LESCH, DONALD M	.....SUZANNE NELSEN	.....5,000.00
MACRO, JESSE A	.....JOSEPH C MACRO	.....1,250.00
MARTINEZ-WALZER, JACQUELINNE GRACE	...MAX WOLFGANG WALZER	.....2,500.00
	ANDREW BAIRD WALZER	.....5,000.00
MCFERSON, HARRIETT L	.....TTEIRRAH WILSON	.....3,600.00
MCINERNEY, KATHLEEN	.....MARY C KIRBY	.....2,500.00
MENNELLA, MARY	.....MARY J MENNELLA NORDIN	.....1,000.00
	ETER RAPHAEL MENNELLA	.....1,000.00
	JOHN R MENELLA	.....1,000.00
	VINCENT J MENNELLA	.....1,000.00
MERRICK, CLANTHIA A	.....RODNEY MERRICK	.....5,000.00
NELSON, MARGARET L	.....JOHN W NELSON	.....1,666.67
NODARSE, LUISA G	.....LAZARO NODARSE	.....1,666.67
	ISRAEL NODARSE	.....1,666.67
	GLADYS SMITH	.....1,666.66
NORTHROP, JOHN L	.....IRENE F. NORTHROP	.....5,000.00
OTTO, EILEEN	.....JAMES M DWYER	.....1,000.00
	WILLIAM MICHAEL DWYER	.....1,000.00
	LYNN E BERNARD	.....1,000.00
	VIRGINIA DWYER KELLY	.....1,000.00
	NANCY D HARTRICH	.....1,000.00
PADEN, BETTY J	.....CTPF (TO OFFSET OVRPYMT)	.....5,000.00
PELKEY JR, RANDALL T	.....RANDALL T PELKEY III	.....1,977.12
PERKINS, PHILLIP	.....ESTATE OF PHILLIP PERKINS	.....5,000.00
PLANER, FRANCES M	.....KARL W PLANER	.....1,666.67
	KEITH W PLANER	.....1,666.67
	KEVIN W PLANER	.....1,666.66
PONCE, THOMAS N	.....MIRNA MARIA DIAZ	.....5,000.00
PRYOR, JEAN T	.....BRENDA D PRYOR	.....1,666.66
RANDLE, SHEILA A	.....RICHARD EDWARD PATRICK	.....5,000.00
REDMOND, CHARLES W	.....BEVERLY J REDMOND	.....1,000.00
REGA, JOSEPH P	.....KAREN S REGA	.....5,000.00
SAUNDERS, WILLIE	.....BARBARA J SAUNDERS	.....2,500.00
	TANYA LASHUN SAUNDERS-WOLFFE	.....2,500.00
SCHMIDT, GEORGE N	.....SHARON MARIE SCHMIDT	.....5,000.00
SCHON, RONALD H	.....LOIS D SCHON	.....5,000.00
SHELTON, JARUTHA	.....CTPF (TO OFFSET OVRPYMT)	.....4,135.15
	DARRYL HUNTER	.....432.43
SIKKUT, VELLO	.....EDA MICHAEL	.....5,000.00
SIMMONS, JANET	.....JANET F. SIMMONS TRUST	.....5,000.00
SMITH, CLEMENT S	.....CARMEN SMITH	.....5,000.00
SMITH, CYNTHIA M	.....CTPF (TO OFFSET OVRPYMT)	.....5,000.00

SMITH, ESTHER RUTH.	CTPF (TO OFFSET OVRPYMT).	392.59
	ESTHER BROWN	4,607.41
SOKOL, JUANITA V.	JEAN M JOHNSON	1,250.00
STATHEN, BRUCE C	SEAN G BARKSTROM.	5,000.00
STEADMAN, PAUL R.	CTPF(TO OFFSET OVRPYMT)	487.81
STEIN, BRUCE EDWARD	JULIE LEE	2,000.00
STEWART, DOROTHY R	STEPHEN WINSTON ANGLIN, JR	2,500.00
	DEBRA J YOUNG-ANGLIN	2,500.00
STOLZENBERG, KAREN SUE	SARAH B STOLZENBERG.	10,000.00
TANENBAUM, BERNARD M	BERNARD TANENBAUM EST.	5,000.00
TAYLOR, DAYTON A.	MICHAEL DOUGLAS.	5,000.00
TORRES, AIDA E	MIRIAM TORRES BOSQUE.	2,500.00
	ARIEL A TORRES	2,500.00
TUITE, AUDREY T.	JACQUELYN LORETTA TUIE.	2,500.00
VASSEL, BETTYE JEAN	RODERICK ELAM.	1,667.00
	CEDRIC MARTIN	1,666.50
	ATHENA T MARTIN-HARVEY	1,666.50
VESECKY, VIRGINIA.	JANE VINCENT	1,666.66
	DONALD J VESECKY.	1,666.67
	THOMAS E VESECKY	1,666.67
WALKER, REOMA N	CTPF (TO OFFSET OVRPYMT).	5,000.00
WHITED, JOSEPH H	BLANCHIE HANKINS WHITED	5,000.00
WOODLEY, SHIRLEY JEAN	ASYIA L WOODLEY	5,000.00
WOODS, WILLIAM E.	ELIZABETH WARTENBERG	625.00
WRIGHT, BARBARA ANN	GLADYS PINKSTON	5,000.00
ZEBROWSKI, DAVID S	DANIEL R LAWSON	1,250.00
	EMILY WRIGHT	1,250.00
ZELKOVICH, JOHN J.	MARY K. ZELKOVICH.	5,000.00
ZERINGUE, YVONNE D	CTPF (TO OFFSET OVRPYMT).	4,256.04
	LIZA M HICKS.	743.96
		\$406,405.01

02/01/2019-02/28/2019**REFUND OF CONTRIBUTIONS**

BARNES, JOE A	TYRONE BARNES	15,206.03
BROWN, STEPHEN H	EILEEN BROWN	443.74
JOYCE, JUDITH M	DAVID ADAMS	99,072.24
MARTINEZ-WALZER, JACQUELINNE GRACE ...	MAX WOLFGANG WALZER.	17,567.98
ANDREW BAIRD WALZER.		35,135.96
MCCANN, CHRISTOPHER M.	COURTNEY C MCCANN-DRAKEFORD	33.20
SEIDENBERG, ROBIN B	ROBIN B SEIDENBERG TRUST	819.52
STOLZENBERG, KAREN SUE	SARAH B STOLZENBERG.	138,213.02
VACCO, ANGELA LEE.	HELEN LEE	126,515.37
		\$433,007.06

GRAND TOTAL OF ALL DEATH BENEFITS**\$839,412.07**

REFUNDS

The Committee on Claims and Service Credits reported that documents pertaining to claims for refunds, listed herewith, were examined and verified, and recommended approval thereof.

01/01/2019-01/31/2019

2.2 Excess Contributions

YOUNG, LYNETTE D	7,872.69
TOTAL 2.2 EXCESS CONTRIBUTIONS	7,872.69

Contract Over Payment

BARR, SANDY DELORIS	9,653.75
BROCKER, JOHANNA SCANLAN.....	906.99
CALLAGHAN, JUDY ANNE	4,361.71
CRAWFORD, JACQUELINE CECILE.....	1,675.85
DAVIS, STEPHANIE A.....	8,852.02
HONKISZ, SUSAN MARIE	4,276.46
LAWRENCE, MARY ELLEN.....	5,679.06
LAZAREVIC, MILJA	4,359.91
WESTLOVE, MICHAEL.....	716.00
TOTAL CONTRACT OVER PAYMENT	40,481.75

Contract Refund

HANSELMAN, WILLIAM ALLEN	360.39
TOTAL CONTRACT REFUND	360.39

Total Excess Contributions

BAUMER, JANE P	37.68
DELEON, MIGUEL ANGEL.....	17.14
ELMS, ATOYA L	110.68
HICKS, HENRY.....	11.87
JONES, MARGARET BROCK.....	9.56
JOPLIN, JONNIE CAROLE	7.76
KASPRZYCKI, EDWARD ANDREW	47.12
LEWIS, DARNELL E	8.65
MITCHELL, JAMES P	6.02
PAUL, JAMES FREDRICK.....	5.20
PREAR, HENRY	56.55
PREWITT, TERRY ANITA	16.66

STARKS, BETTY ANN	15.04
VILLACORTA HERNANDEZ, CARLOS EDUARDO	18.21
WILLIAMS, GERTRUDE L	11.22
WILLIAMS JONES, RITA RENEE	11.22
TOTAL EXCESS CONTRIB.	390.58

Total Survivor Contributions

AMARO, LAURA	7.38
BARR, SANDY DELORIS	19,338.60
BICKNELL, JOHN FRANCIS	13,408.32
BLUE, ELAINE MARIE	14,456.17
BROCKER, JOHANNA SCANLAN	651.97
CALLAGHAN, JUDY ANNE	75.33
CREIGHTON, SUSAN MARY	72.13
FRANCO, GABRIELA	18,215.77
HOWARD, TRUDI ANN	14,543.06
JACKSON, GAIL Y	11.02
JANISZEWSKI, MARGARET	14,407.48
MALINOWSKI, CAMILLE MARIE	7.23
NEWBERN, BRENDA FAYE	11,817.57
OGLE, COLLEEN MARY	10.49
PRYOR, DEBRA ANN	151.04
ROSU, ADRIAN	48.95
SEFEROVIC, SELENA	63.06
SEFEROVIC, SELENA	5,683.69
SHARP, DAISY L	113.50
TSUJIMOTO, JOY LORI	194.16
TOTAL SURVIVOR CONTRIBUTIONS	113,276.92

Termination Refunds

ALBERS, JOHN A	28,622.00
BAZER, BETH	77,075.67
BIELAWA, SANDRA	2,087.20
BOGACKI, KATHRYN J	71,726.04
BRADY JANEGA, SARAH CHRISTINE	112,781.26
BRANSON, JANET ELIZABETH	5,132.44
BROOKMAN, NANCY G	1,116.22
BYLES, MAURICE	18,527.35
CHAMBERS, VESTER M	6,793.36

CISMOSKI, MEREDITH ELLEN	82,841.36
CRAIG, VERONICA L	14,608.08
CROOKSTON, SARAH M	38,375.20
DEAN, JENIQUE Q.	479.95
DECARO, MATTHEW F.	458.90
DOSCH, MARGARET H.	138.39
EDWARDS, JESSICA L.	7,081.34
GETTRIDGE, JACQUELINE T	16,844.70
GILLIAM, MANUEL.	510.61
GOOZE, NANCY D.	364.00
GUERRERO, DANIEL	7,377.94
HOOK, JENNIFER L.	1,837.32
JACOBSEN, JENNIFER E	6,648.23
KEIL, ERIKA	9,557.10
KRAFT, ROBERT M	4,676.24
KULDANEK, MARY K.	257.19
LEWIS-JONES, LESA.	8,444.61
MANSELL, CLAIRE A	9,994.45
MCGEE, CENTRESE	2,362.50
MENDOZA, KRYSZELDA J	29,089.62
NESBIT, MARY	17,094.81
OLIVARES, ARTURO	55,984.21
ORTIZ, GINA Y	89,285.31
PALMER, RENEE P.	152.14
PAULUS, BARBARA L.	7,956.16
PRERO, MILDRED H.	270.74
REITMAN, MARK A.	224.00
SCHRIER, JULIA W	9,614.86
SMITH, JOSEPH W.	1,988.07
SWARTZBAUGH, LAURA K.	1,080.00
WALKER-ABDUL-JAMI, SAMEERAH S.	1,133.25
YAMIN, GEORGE J	2,332.99
YANEZ, ERIKA D	83,348.02
TOTAL TERMINATION REFUNDS	836,273.83
GRAND TOTAL OF ALL REFUNDS	998,656.16

Refunds**02/01/2019-02/28/2019****2.2 Excess Contributions**

STOJAK, MARIANNE FAITH	9,356.18
TOTAL 2.2 EXCESS CONTRIBUTIONS	9,356.18

Contract Over Payment

BOPP, MARY CARYL.	3,569.41
BRUNSON-ALLEN, PAMELA K.	7,169.70
CECCHI, ERAINA L.	537.06
ESCABALZETA, GLORIA M.	3,879.19
MORALES, LILY A.	38.01
NOLEN, MICHAEL J.	6.04
SLOWIK, CHRISTINE MARIE	1,244.96
TOTAL CONTRACT OVER PAYMENT	16,444.37

Contract Refund

MARTIN, LORETTA A.	2,075.64
TANNER, CATHERINE ELLEN.	300.00
TOTAL CONTRACT REFUND	2,375.64

Excess Contributions

BERTENSHAW, THOMAS MICHAEL	18.98
BICZ, DANUTA JOLANTA	46.96
BUTLER, JOANN MARSHALL.	14.64
CAMPOVERDE, JULIA ANN	34.13
CAMPOVERDE, JULIA ANN	11.52
CHERKASKY-DAVIS, LYNN.	39.16
DAVIS, GEORGE V.	46.04
DENHAM, HELEN M.	17.36
DENTON, CHERYL L.	80.91
EDWARDS, EMMA D.	14.70
GURLEY, ANNETTE DENISE.	71.01
HAYES JEFFRIES, ROCHELLE ANTOINETTE	8.74
HEMPHILL, ROCHELLE P	8.51
JACKSON-CROCKETT, JOHNETTA MARIE	42.72

LEE, ERMA J.	51.11
MCKIMSON, ANN MARIE	14.64
MONDRAGON, KRISTINA ROSE	61.94
MORADO, MARIA ELVIRA	7.20
MORRIS, JACQUELINE.....	102.24
NORISE, EMMA WEBB.....	7.10
PAXTON, LOIS	5.49
QUINTERO, SHARON KAY	31.61
SIMMONS, JENEAN DYAN	46.68
TOTAL EXCESS CONTRIBUTIONS	783.39

Other

ARANZA, DIANE K.....	575.80
KONIKOFF, NAOMI.....	4,081.95
VARN, LARRY D.	42,770.99
TOTAL OTHER	47,428.74

Survivor Contributions

ATAWNEH, NOFA.....	4.38
BEASLEY, DEBORAH FAYE.....	149.27
BECKETT, DEBORA.....	175.67
BOONE, SHARON LEE	95.22
BOUNDS-BEVERLY, MINNIE.....	20,969.41
CAMPBELL, RHONDA DARLENE	123.85
CINTRON, JUDITH.....	21.53
DAVIES, JEAN M.....	1,740.52
DENARDO, KAREN A	3,278.01
DYREK, TED.....	7.33
EDWARDS, JUANITA JANE	154.00
ELLIS, JUDITH SUE.....	91.30
FITZGERALD, JAMES R.....	23,646.93
GILFILLIAN, JACQUELINE ANETTA.....	24.35
GREEN-GATES, DARLENE.....	9,768.14
GYSE, VICTORIA ALLYN.....	152.85
HALL, LINDA J.....	3,558.26
HAMPTON, GLORIA C	113.26
HOPKINS, MARCIA.....	56.29
JAGLOIS, JAMES JEFFERY	203.51
KIRK-WADE, PATRICIA ANN.....	17,018.28
LEVY, LISA JEAN.....	168.91
LOQUINTE, DIOSCORO MICULOB	120.93
LUCAS, KARLA M.....	116.34

MARTINEZ, CARMEN MARIA	91.35
MATTHEWS, ANN MARIE	162.33
MILLER, RENITA C. CAROL	1.14
NOLEN-PETERS, VIANNA	171.11
ORTIZ, ZULMA VIOLETA	30.13
QUINONES, SHERRI BELINDA	16,602.17
RIVERA, CYNTHIA	27.64
SANCHEZ, DEBORAH LYNETTE	18,820.61
SHANNON, KELLY A.	2,214.78
SIMS, VANESSA GAYLE	29.70
SOMMERFELD, FRANK H	156.37
TILLER, GWENDOLYN V	16,770.27
TROCOLA, MARIANNE R	151.92
WILHOITE, MATILDA J	211.64
ZELEK, LAWRENCE C	2,578.53
TOTAL SURVIVOR CONTRIBUTIONS	139,778.23

Termination Refunds

ABBINANTI, DOROTHY S	221.36
ABRAHAM, NERODE P.	27,881.33
ALANIS, GABRIELA	16,403.44
ALEXOPOULOS, ELENI A	392.30
ANDERSON, KATHLEEN R	16,308.90
ANICHINI, ROSE MARIE	230.95
ASHRAF, ASMA	15,061.49
ATKINS, TERRY	1,083.50
BAUMER, JANE P	10,588.24
BEITLER, LAUREN ELIZABETH.	20,713.85
BELL, LAVERNE A.	912.73
BETHEL, TIMEICA E	15,817.62
BOBKA, CHRISTINE M.	3,853.19
BOLDT, JESSICA	4,449.14
BOOKWALTER, CHRISTINE M	6,536.40
BRACKNEY, BENJAMIN E	224.00
BRICE, KEVIN	343.02
BROOKS, RICHARD J	18,600.16
BROWN, NAKITA K.	3,757.17
BURMESTER, JEFFREY A.	3,323.88
BURTON, ALBERT O	1,257.58
BURTON, MARC G.	447.52
CABRERA, RICHARD	5,810.39
CAHNMANN, KATIE C	28,205.24

CALHOUN, RASHAUN N	41,934.98
CARTER, NICOLE	17,087.18
CHATMAN, CRYSTIAN L	30,780.13
CHRISTENSEN, EVA	14,727.45
CIRIGNANI, DENISE	318.92
CUMMINGS, RODNEY	2,627.43
DACHSLAGER, LARRY D.	162.64
DAHLEN, CHERYL	7,551.92
DANIELS, KATHLEEN A.	26,859.84
DAVIS, DRELLE LEVON.	7,696.26
DAVIS, JULIAN.	3,387.25
DAVIS, TAMMY M.	204.80
DOMINIC, JOANN J.	902.40
DOSCH, LAURA DANIELLE	17,459.89
ELION, ANITA M	399.75
ENRIQUEZ, ISAC X	10,195.11
ERNST, JASON E	24,766.66
ESBJORNSON, MARY P	200.97
FALDA, TRACY JO.	60,140.53
FRANCO, JONAH	7,080.71
FULSON, ANNETTE M.	23,344.53
GIARDINI, WILLIAM C.	256.00
GIBSONS-CRAPPS, DEL RITA A	21,186.83
GILLESPIE, PATRICIA B	733.78
GLANZ, WENDOLYN J	104.00
GOMEZ-PALMA, MARICELA.	51,761.37
GORDON, RICHARD H.	224.00
GORDON, RYAN T.	59,477.49
GRIFFIN, NASHONNA	237.54
GUERRERO, MARK C	4,537.58
GUISTO, NICHOLAS L	591.38
GYOMORY, LANCE	14,354.75
HACEROLA, NATALIA	860.19
HANSON, BETH M.	6,678.65
HAYDEN, TIANA BAKIC	4,924.08
HENDERSON, LINDA B	2,010.20
HILLER, AMY S	32,939.95
HORTON, REBEKAH J.	26,719.60
HOWARD, TRINA.	7,819.59
HUDSON, SHAVONNE SHARI.	848.66
HUNG, CHIHYUN JENNIFER.	14,919.83
IONESCU, ALEXANDRA.	6,509.76
JACKSON, ERIKA	20,226.88

JACKSON, MARK A.	26,623.64
JAQUITH, ALYSSANDRA.	18,981.64
JONES, AYO	8,202.31
KASPRZYCKI, EDWARD ANDREW	13,219.17
KELLEY, DALE.	1,900.21
KENDRICK, MONICA Y	5,905.99
KING, EMANUEL R.	2,510.92
KLINSKY, ELVIRA V	14,551.87
KOST, ELIEZER	376.58
KOTARSKI, MEGAN A	15,854.12
KREJCIK, LISA	16,294.98
LAROCCO, ANGELO J	23,591.10
LARSON, VICTORIA E	22,778.04
LOWE, LAUREN BROOKE	24,660.46
MANKOFF, KATHERINE E.	28,875.98
MANN, DOUGLAS O.	10,305.92
MARSHALL, CHRISTINE S	1,778.80
MATTHEWS, MARICHA D	24,384.52
MHOON, SEASON	20,122.26
MILLS, JESSICA.	9,088.56
MORALES, MARTIN A	12,794.31
MORRIS, DIONNE L	4,362.54
MORSE, BENJAMIN	4,160.68
MOYA, JANNETTE.	33,769.03
NEEQUAYE, EDWARD	16,406.18
NESTA, CARRIE.	41,507.93
OSHMANN, JACQLYN E	4,433.44
PAINTER, CHRISTOPHER.	3,231.61
PARKS, ELIZABETH PAIGE	12,485.77
PARTENACH, ELIZABETH A	14,772.87
PEREZ, LEAH E	64,931.38
PERRY, LYNNYCESA ANGEL	67,205.12
PICKERT, JEREMIAH R.	18,142.78
RADCLIFF, THEODORE	422.05
RAGUSA, MELINDA M.	27,902.22
REYES, ENICE PALOMA.	8,623.33
ROBINSON, PATRICK CL	51,979.87
ROCKWARD, CLINT A	12,172.24
RODRIGUEZ, FRANCISCO D.	18,641.94
ROSE, CHRIS	522.76
SANCHEZ, IAN N.	27,054.47
SANTANA, CELINA M.	10,426.20
SAPPENFIELD, DAVID J.	4,544.80

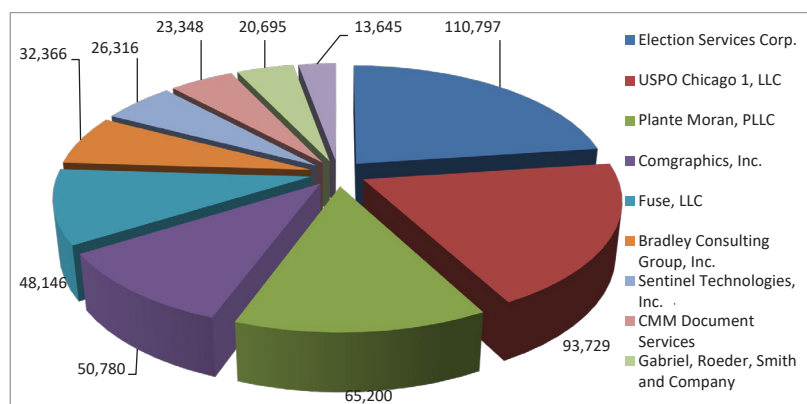
SCHALEK, EDWARD M	2,602.08
SCHIBELKA, MARY CLAIRE.	8,887.28
SCHIFFER, WALTER	578.25
SERAFIN, AILEEN	1,163.12
SINGER, KRISTEN	4,303.56
SOLAK, DOROTHY F	3,977.78
SOROKINA, YULIA	11,596.55
SPAETH, COLLEEN M.	654.74
STEIN, JILL E	390.00
STEWART, SCOTT LAVELLE	6,617.30
SUAREZ, VIRGINIA.	212.62
SUKUMARAN, ANAND	50,106.30
SWOOPE DREW, TONIA M.	68,113.83
TAIWO, KAYODE REMILEKUN	627.95
TALLENT-BENNIS, MEGHAN	5,335.85
TAUB, RACHEL	7,649.86
TOLBERT, ROY L	976.18
TRIPLETT, WHITNEY D.	30,499.23
VEAL, JA'VAAN S.	21,095.84
WALKER, LEON ROBERT.	9,794.30
WARD-MCDUFFIE, ANGELA C	17,746.00
WUDARCZYK, JILLIAN L	10,801.00
WULFF, ROBERT	33.38
YOUNG, KAYLA A.	13,286.49
ZELTER, JUDITH	274.28
ZHOU, CHENGKUAN	18,212.11
TOTAL TERMINATION REFUNDS	1,824,211.33
GRAND TOTAL OF ALL REFUNDS	2,040,377.88

Chairperson Redfeairn moved the February 28, 2019, Finance and Audit Committee Meeting Report and Recommendations to the Omnibus.

ADMINISTRATIVE EXPENSES

The following administrative expenses were presented with the recommendation that they be approved.

The following chart represents the top 10 administrative expenses for the month of November 2018, comprising 84% of the total admin expenses.



Election Services Corp.

USPO Chicago 1, LLC

Plante Moran, PLLC

Comgraphics, Inc.

Fuse, LLC

Bradley Consulting Group, Inc.

Sentinel Technologies, Inc.

CMM Document Services

Gabriel, Roeder, Smith and Company

Holleman, Michelle

Partial Billing, Teacher/Trustee Election, 11/6/18

Rent and Operating Expenses 11/2018, Tenant

Services 10/1/2018-10/31/2018

Services Rendered, External Audit, FY2018

Processing, Pension Advices & Pension Checks,

October 2018 and Member Statements FY2018

Newsletter, Fall 2018 and Open Enrollment

Handbooks

Consulting Services 10/1/2018 - 10/31/2018

Managed Service Agreement, 9/1/18-11/30/18 and

Renewal, Smartnet Software, 10/25/18-10/24/19

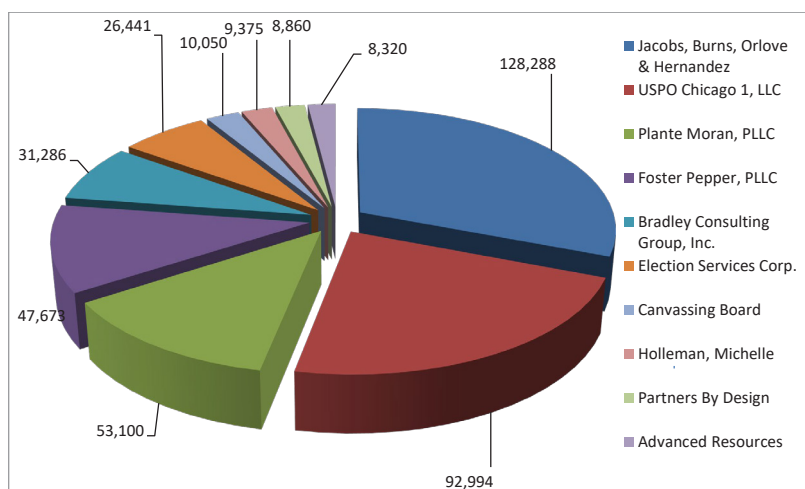
Microfilm Conversion to Digital, Microfiche Card or

Jacket to digital conversion, 9/6/18

Actuarial Service, 10/1/2018-10/31/2018

Consulting Service, 10/1/18 - 10/31/18

The following chart represents the top 10 administrative expenses for the month of December 2018, comprising 93% of the total admin expenses.



Jacobs, Burns, Orlove & Hernandez

USPO Chicago 1, LLC

Plante Moran, PLLC

Foster Pepper, PLLC

Bradley Consulting Group, Inc.

Election Services Corp.

Canvassing Board

Holleman, Michelle

Partners By Design

Advanced Resources

Legal Services, Litigation 8/1/18-9/30/18, General 8/1/18-9/30/18 and Member Information Search 11/1/18-11/30/18

Rent and Operating Expenses 12/2018, Tenant Services 11/1/2018-11/30/2018

Services Rendered, External Audit, FY2018, GASB 75, Internal Audit thru 12/18/18

Legal Services, Investments 8/1/18 - 11/30/18

Consulting Services 11/1/2018 - 11/30/2018

Final Billing, Teacher/Trustee Election, 11/6/18

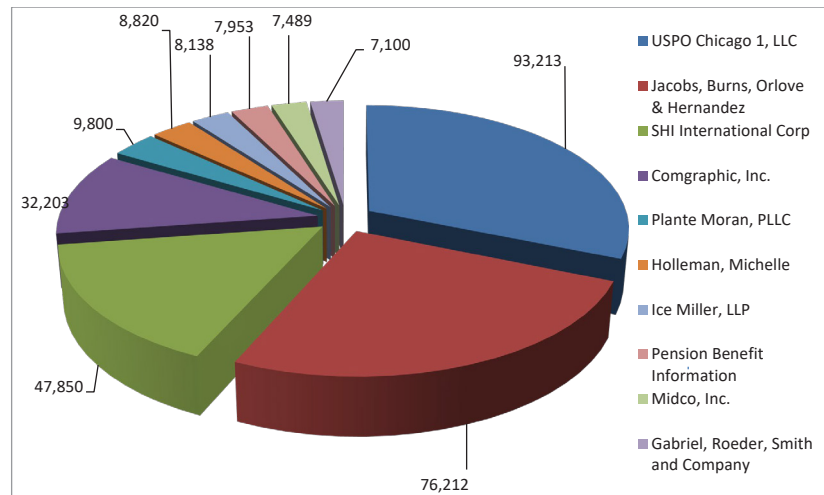
Pension Representative Stipend, Teacher/Trustee Election, 11/9/18

Consulting Service, 11/1/18 - 11/30/18

Professional Design Services, 10/1/18 - 11/30/18

Temporary Staff, HR, 11/12/18-12/16/18

The following chart represents the top 10 administrative expenses for the month of January 2019, comprising 93% of the total admin expenses.



USPO Chicago 1, LLC

Jacobs, Burns, Orlove & Hernandez

SHI International Corp

Comgraphic, Inc.

Plante Moran, PLLC
Holleman, Michelle

Ice Miller, LLP
Pension Benefit Information
Midco, Inc.

Gabriel, Roeder, Smith and Company

Rent and Operating Expenses 1/2019, Tenant Services
11/17/2018-12/13/2018 and Water Deposit 1/2019
Legal Services, Litigation 10/1/18-10/31/18, General 10/1/18-
10/31/18
Apple Ipads, Host Software and Maintenance for VMware &
VSphere 12/14/18-12/13/19
Processing, Pension Checks and Advices, November and
December 2018

Professional Services, Trustee Training on ERM, 12/18/18
Consulting Service, 12/1/18 - 12/31/18

Legal, Litigation, 11/1/18-11/30/18 and Tax 11/1/18-12/31/18
Death Audit Services
Security Maintenance, 11/1/18-10/31/19
Actuarial Services, 12/1/18-12/31/18

Administrative Expenses 11/1/18 - 11/30/18		
VENDOR	DESCRIPTION	AMOUNT
A & E Rubber Stamp	Office Supplies	\$ 105.85
A T & T	Monthly Telephone Service, 9/19/18 - 10/18/18	\$ 1,973.52
AT & T Mobility	Data Access, 9/25/18 - 10/24/18: Trustees	\$ 427.00
ADP Screening & Selection Service	Background Check, New Employees	\$ 108.03
Advanced Resources	Temporary Staff, HR, 10/1/18 - 10/7/18	\$ 1,998.46
	Temporary Staff, HR, 10/29/18 - 11/4/18	\$ 1,141.98
	Temporary Staff, HR, 11/5/18 - 11/11/18	\$ 1,903.30
American Express	Air, Private Equity/Secondary Investment Summit, 10/27/18 - 10/29/18, New York, NY: Miller-May	\$ 5,043.74
	Hubworks, Call Center Scheduling, 10/1/18 - 10/31/18: Member Services	\$ 191.96
	Parking, Real Estate Investor Forum, 10/17/18, Chicago, IL: Ashford	\$ 29.00
	Trans., Potential Future Office Locations, 10/4/18 & 10/16/18, Chicago, IL: Burbridge	\$ 44.00
	Trans., Open Enrollment Seminar, 10/9/18, Oak Park, IL: Burbridge	\$ 48.75
	Trans., RTAC Luncheon, 10/19/18, Chicago, IL: Burbridge	\$ 146.87
	Trans., CTU Meeting, 10/24/18, Chicago, IL: Burbridge	\$ 24.25
	Trans., Open Enrollment Seminar Walk Thru, 10/3/18, Oak Park, IL: Cavallaro	\$ 24.74
	Trans., Open Enrollment Seminar, 10/9/18, Oak Park, IL: Cavallaro	\$ 11.25
	Trans., Roundtable & Investment Meeting, 10/4/18, Chicago, IL: Miller-May	\$ 10.50
	Trans., Chicago Scholars Forum, 10/23/18, Chicago, IL: Miller-May	\$ 8.25
	Subscription, Financial Times, 10/22/18 - 10/22/19: Burbridge	\$ 23.00
	Subscription, Crain's Chicago Business, 10/23/18 - 10/23/19: Burbridge	\$ 612.00
	Accom., BNY Mellon Bank Meeting, 11/7/18 - 11/9/18, New York, NY: Rooks	\$ 119.00
	Meal, Election Services Meeting, 10/24/18 - 10/25/18, New York, NY: Schroeder	\$ 284.33
	Meal, Institute Investment Women Minority, 9/28/18, New York, NY: Miller-May	\$ 32.74
	Meal, CEO Investment Summit, 9/24/18 - 9/25/18, New York, NY: Miller-May	\$ 9.25
	Air, Election Services Meeting, 11/7/18 - 11/18/18, New York, NY: Bridgmon	\$ 19.58
	Air, BNY Mellon Bank Meeting, 11/7/18 - 11/9/18, New York, NY: Rooks	\$ 166.20
	Trans., Election Services Meeting, 10/24/18 - 10/25/18, New York, NY: Schroeder	\$ 356.62
	Amazon Consulting, ERS Website, 9/1/18 - 9/30/18	\$ 499.00
	Intelius, Member Locator Service, 10/1/18 - 10/31/18: Benefits	\$ 1,074.73
	Constant Contact, Payment Receipt, E-Mail Links, 10/1/18 - 10/31/18	\$ 39.90
	Mail Chimp, Monthly Bulk E-Mail Service, 10/1/18 - 10/31/18	\$ 351.23
	Lunch, Open Enrollment Seminar, 10/9/18, Oak Park, IL	\$ 199.00
	Refreshments, Turning 65 Seminar, 10/23/18	\$ 552.89
	Lunch, Turning 65 Seminar, 10/23/18	\$ 107.06
	Supplies, Postage Machine	\$ 176.58
	Lunch, Return to Work Hearing, 9/28/18	\$ 216.49
	Breakfast, Return to Work Committee Meeting, 9/28/18	\$ 124.02
	Lunch, Investment Manager's Meeting, 10/5/18	\$ 51.39
	Refreshments, Investment Manager's Meeting, 10/5/18	\$ 635.21
	Breakfast, Investment Manager's Meeting, 10/5/18	\$ 13.98
	Lunch, Finance & Audit Committee Meeting, 10/8/18	\$ 78.00
	Breakfast, Finance & Audit Committee Meeting, 10/8/18	\$ 37.06
	Lunch, Senate Hearing, 10/16/18	\$ 78.00
	Refreshments, Trustee Meeting, 10/18/18	\$ 153.57
	Lunch, Trustee Meeting, 10/18/18	\$ 50.29
	Breakfast, Trustee Meeting, 10/18/18	\$ 662.30
	Desert, Trustee Meeting, 10/18/18	\$ 155.75
	Lunch, Investment Committee Meeting, 10/25/18	\$ 92.15
	Breakfast, Investment Committee Meeting, 10/25/18	\$ 66.61
BNY Mellon	BNY Service Fees, 10/1/18 - 10/31/18	\$ 132.00
Bradley Consulting Group, Inc.	Consulting Services, 10/1/18 - 10/31/18	\$ 7,709.50
Bridgmon, Sharena	Reimburse, Election Services Meeting, 11/7/18 - 11/9/18, New York, NY	\$ 653.49
Burbridge, Charles	Reimburse, Meeting, Burbridge and Blackwell, 11/21/18	\$ 32,366.25
Chicago Messenger Service, Inc.	Delivery Services thru 11/21/18	\$ 346.17
Chicago Tribune	Subscription Renewal, 12/10/18 - 6/9/19: Office Use	\$ 30.00
CMM Document Services	Digitizing Microfiche & Jackets, 9/6/18	\$ 1,256.45
Coffee Unlimited	Water Filtration System, 11/1/18 - 11/30/18	\$ 149.50
	Coffee Supplies	\$ 23,348.03
Com Ed	Electric Service, 10/3/18 - 10/31/18: Suite 2650	\$ 164.75
	Electric Service, 10/3/18 - 10/31/18: Suite 2600	\$ 830.00
Comgraphic, Inc.	Processing, Member Statements, FY2018	\$ 994.75
	Processing, Pension Advices & Checks, October 2018	\$ 152.84
Concur Technologies, Inc.	Travel Expense Tracker, 11/1/18 - 11/30/18	\$ 665.66
Cutting Edge Document Destruction	Shredding of Confidential Data	\$ 818.50
Dickman-Lopez, Robert	Reimburse, Air, Due Diligence Meeting, 2/2/19 - 2/12/19, Los Angeles, CA	\$ 43,723.37
Digital Deployment, Inc.	Website Consulting, 11/1/18 - 11/30/18	\$ 7,056.84
DirectTV	Satellite Reception, 11/10/18 - 12/9/18	\$ 50,780.21
Direct Energy	Electric Service, 9/3/18 - 10/2/18: Suite 2600	\$ 318.05
	Electric Service, 10/3/18 - 10/31/18: Suite 2600	\$ 207.00
Election Services Corporation	Partial Billing, Teacher/Trustee Election, 11/9/18	\$ 197.96
Fuse, LLC.	Newsletter, Fall 2018	\$ 900.00
	Open Enrollment Handbooks	\$ 7.00
Gabriel, Roeder, Smith & Company	Actuarial Services, 10/1/18 - 10/31/18	\$ 1,143.35
Garvey's Office Products	Office Supplies	\$ 1,141.56
	Trustee Supplies	\$ 2,284.91
Goldstine, Skrodski, Russian, Nemec & Hoff, Ltd.	Legal Services, Return to Work Hearing, 9/19/18 - 9/30/18	\$ 110,796.67
	Legal Services, Return to Work Hearing, 10/1/18 - 10/17/18	\$ 15,319.53
Hilton Oak Lawn	Bal Due, Open Enrollment, 10/1/18	\$ 32,826.28
Hinckley Springs	Bottled Water	\$ 48,145.81
Holleman, Michelle	Monthly Consulting, 10/1/18 - 10/31/18	\$ 20,695.00
Ice Miller, LLP.	Legal, Litigation, 9/1/18 - 9/30/18	\$ 1,478.81
	Legal, Litigation, 10/1/18 - 10/31/18	\$ 130.80
International Business Machines Corp.	Data Vault Backup Services, 10/01/18 - 10/31/18	\$ 2,275.00
	Business Continuity Service, 11/17/18 - 12/16/18	\$ 3,500.00
Iron Mountain	Computer Daily Backup Storage Charges, 10/1/18 - 10/31/18	\$ 5,775.00
		\$ 4,976.60
		\$ 16.06
		\$ 13,645.00
		\$ 51.27
		\$ 114.69
		\$ 2,615.00
		\$ 2,387.07
		\$ 5,002.07
		\$ 849.34

Kelsen, Andrew	Reimburse, ILPA Palladium Meeting, 11/5/18 - 11/9/18, New York, NY	\$	593.29
LexisNexis	Member Information Search, 10/1/18 - 10/31/18	\$	330.63
LogMein USA, Inc.	CTPF Webinars, 11/2/18 - 12/1/18	\$	517.20
Moody, Lateef	Reimburse, Field Services, 11/16/18, Chicago, IL	\$	24.58
Plante Moran, PLLC.	Services Rendered, External Audit, FY2018	\$	65,200.00
Red Hawk	Annual Security Agreement, 7/8/18 - 7/7/19	\$	330.16
Romay Corp.	Transcription Tape, Return to Work Hearing, 9/28/18	\$	727.70
Rooks, Cheryl	Reimburse, BNY Meeting, 11/7/18 - 11/8/18, Pittsburgh, PA	\$	218.75
Segal Company	Health Insurance Consulting, Employer Group Waiver Plan RFP, 8/2/18 - 9/5/18	\$	5,358.75
Sentinel Technologies, Inc.	Managed Service Agreement, 9/1/18 - 9/30/18	\$	2,024.00
	Managed Service Agreement, 10/1/18 - 10/31/18	\$	2,024.00
	Managed Service Agreement, 11/1/18 - 11/30/18	\$	2,059.20
	Renewal, Smartnet Software, 10/25/18 - 10/24/19	\$	20,209.00
Solomon Cloud Solutions	Consulting Service, Finance, 9/27/18	\$	166.50
	Consulting Service, Finance, 10/12/18	\$	55.50
	Consulting Service, Finance, 11/9/18	\$	111.00
Staples	Office supplies	\$	333.00
Staff Salary - CTPF	Office Salary for November 2018	\$	95.59
Sun Life Assurance Company of Canada	Employee Benefit, Staff, 11/1/18 - 11/30/18	\$	936,081.06
Sword & Shield Enterprise Security	Security Consulting, 9/30/18	\$	4,238.99
	Security Consulting, 10/1/18 - 10/31/18	\$	1,150.00
	Security Consulting, 11/1/18 - 11/30/18	\$	3,700.00
Unishippers	Delivery Services thru 11/2/18	\$	3,700.00
USPO Chicago 1, LLC.	Rent, 11/1/18 - 11/30/18	\$	8,550.00
	Operating Expenses, 11/1/18 - 11/30/18	\$	160.47
	Tenant Services, 10/1/18 - 10/31/18	\$	55,146.33
Vega, Cecilia	Reimburse, Election Services Meeting, 11/7/18 - 11/9/18, New York, NY	\$	37,578.00
Verizon	Monthly Internet Service, 11/1/18 - 11/30/18	\$	1,005.14
Vision Mai, LLC.	Legislative Consulting, 11/1/18 - 11/30/18	\$	93,729.47
Workplace Solutions	EAP Assistance, Staff, 11/1/18 - 11/30/18	\$	185.96
Zahn Governmental Solutions, LLC.	Legislative Consulting, 10/1/18 - 10/31/18	\$	1,216.70
		\$	6,750.00
		\$	300.44
		\$	5,000.00
PHYSICIANS, DISABILITY APPLICANTS			
Access Medical Evaluations	Eval & Report, H.Y. by Dr. Chien	\$	800.00
	Eval & Report, K.C. by Dr. Upadhyay	\$	800.00
	Eval & Report, K.C. by Dr. Chien	\$	800.00
	Eval & Report, A.D. by Dr. Menner	\$	800.00
	Eval & Report, A.D. by Dr. Menner	\$	800.00
	Eval & Report, K. C. by Dr. Upadhyay	\$	800.00
	Eval & Report, K.C. by Dr. Chien	\$	800.00
	Eval & Report, S.M. by Dr. Chien	\$	800.00
	Eval & Report S.M. by Dr. Upadhyay	\$	800.00
	Eval & Report, M.S. by Dr. Chien	\$	800.00
	Eval & Report, M.S. by Dr. Upadhyay	\$	800.00
Record Copy Services	Medical Records, M.F. by Dr. Bonk	\$	179.25
	Medical Records, K.C. by Dr. Cherchi	\$	107.75
	Medical Records, T.D. by Dr. La Cava	\$	169.75
	Medical Records, C.H. by Dr. Bernstein	\$	639.55
	Medical Records, M.F. by Advocate Christ Hospital	\$	79.75
	Medical Records, C.H. by Dr. Hufmeyer	\$	89.75
	Medical Records, S.V. by Dr. Linde	\$	69.75
	Medical Records, S.V. by Dr. Troy	\$	128.75
	Medical Records, S.V. by Dr. Burda	\$	128.75
	Medical Records, S.V. by Mr. Ploum, Counselor	\$	126.75
	Medical Records, S.V. by DuPage Medical Group	\$	149.75
	Medical Records, S.V. by Advocate Christ Hospital	\$	29.75
	Medical Records, M.F. by Dr. Zalzeleh	\$	248.50
	Medical Records, K.C. by Dr. Hufmeyer	\$	131.25
	Medical Records, K.E. by University of Chicago Hospitals	\$	69.75
	Medical Records, K.E. by St. Margaret Mercy Healthcare	\$	79.75
	Medical Records, K.E. by Rush Medical Center	\$	79.75
	Medical Records, K.E. by Metro South Medical Center	\$	337.75
	Medical Records, A.B. by Dr. Taher	\$	147.75
	Medical Records, A.B. by Dr. Micco	\$	113.75
	Medical Records, T.J. by Dr. James	\$	89.75
	Medical Records, T.J. by Dr. Sunbulli	\$	89.75
	Medical Records, V.L. by Dr. Rae	\$	129.75
	Medical Records, T.F. by Dr. La Cava	\$	29.75
	Medical Records, K.C. by Dr. Yoo	\$	69.75
	Medical Records, K.E. by Little Company of Mary Hospital	\$	153.75
		\$	12,470.05
		\$	1,510,432.02
Administrative Expenses			
12/1/18 - 12/31/18			
VENDOR	DESCRIPTION	AMOUNT	
A & E Rubber Stamp	Office Supplies	\$	19.50
A T & T	Monthly Telephone Service, 10/19/18 - 11/18/18	\$	1,892.83
AT & T Mobility	Data Access, 10/25/18 - 11/24/18: Trustees	\$	217.00
ADP Screening & Selection Service	Background Checks, New Employees	\$	98.66
Advanced Resources	Temporary Staff, HR, 11/12/18 - 11/18/18	\$	1,549.83
	Temporary Staff, HR, 11/19/18 - 11/25/18	\$	1,114.79
	Temporary Staff, HR, 11/26/18 - 12/2/18	\$	1,930.49
	Temporary Staff, HR 12/3/18 - 12/9/18	\$	1,821.73
	Temporary Staff, HR 12/10/18 - 12/16/18	\$	1,903.30
Allan Visual Systems	Board Room Power Amplifier	\$	8,320.14
		\$	1,995.00

Alper Services, LLC.	HR Consulting Service, 9/26/18 - 9/26/19	\$	3,150.00
American Express	Accom., ILPA Conf. & Palladium Meeting, 11/5/18 - 11/8/18, New York, NY: Kelsen	\$	1,349.63
	Accom., Private Equity & Secondary Investment Summit, 11/27/18 - 11/29/18, New York, NY: Miller-May	\$	683.11
	Meal, Private Equity & Secondary Investment Summit, 11/27/18 - 11/29/18, New York, NY: Miller-May	\$	26.53
	Educational Training Book Material: Burbridge	\$	26.76
	Hubworks, Call Center Scheduling, 11/1/18 - 11/31/18: Member Services	\$	29.00
	Educational Training Book Material for IT	\$	218.14
	Trans., Private Equity & Secondary Investment Summit, 11/27/18 - 11/29/18, New York, NY: Miller-May	\$	30.75
	Membership Dues, NAPPA, 1/1/19 - 12/31/19: Hurtado	\$	300.00
	Membership Dues, NAPPA, 1/1/19 - 12/31/19: Schomberg	\$	300.00
	Membership Dues, Attorney Registration & Disciplinary Commission, 1/1/19 - 12/31/19: Schomberg	\$	393.47
	Office Supplies	\$	21.70
	Staff Condolences, 11/5	\$	98.93
	Accom., Election Services, 11/7/18 - 11/8/18, New York, NY: Vega	\$	195.34
	Air, Election Services, 11/7/18 - 11/8/18, New York, NY: Bridgmon	\$	378.96
	Trans., Election Services, 11/7/18 - 11/8/18, New York, NY: Vega, Bridgmon	\$	148.75
	Amazon Consulting, ERS Website, 10/1/18 - 10/31/18	\$	1,143.39
	Intelius, Member Locator Service, 11/1/18 - 11/30/18: Benefits	\$	119.65
	Constant Contact, Payment Receipts E-Mail, 11/1/18 - 11/30/18	\$	373.53
	Mail Chimp, Bulk E-Mail Service, 11/1/18 - 11/30/18	\$	349.00
	Trustee Supplies	\$	39.44
	Lunch, Investment Manager's Meeting, 11/2/18	\$	302.46
	Breakfast, Investment Manager's Meeting, 11/2/18	\$	156.94
	Breakfast, Technical Committee Meeting, 11/8/18	\$	78.00
	Lunch, Technical Committee Meeting, 11/8/18	\$	187.03
	Breakfast, Trustee Meeting, 11/13/18	\$	224.09
	Lunch, Trustee Meeting, 11/13/18	\$	484.00
	Refreshments, Trustee Meeting, 11/13/18	\$	13.67
Arhat	Digitizing of Microfilm & Microfiche, 11/16/18 - 12/15/18	\$	7,672.27
Ashford, Lois	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	510.00
Baker, Tilly, Virchow, Krause, LLP.	Professional Services, Census data AUP, 8/22/18 - 11/27/18	\$	200.00
Blackwell, Jeffery	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	5,010.00
BNY Mellon	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	250.00
Bradley Consulting Group, Inc.	BNY Service Fee, 11/1/18 - 11/30/18	\$	1,134.59
Bures, Robert	Consulting Service, 11/1/18 - 11/30/18	\$	31,286.25
Canvassing Board	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	25.00
Cavallero, James	Pension Representative Stipend, Teacher/Trustee Election, 11/9/2018	\$	10,050.00
Chicago Messenger Service, Inc.	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	75.00
Clay, Gervaise	Delivery Service thru 12/14/18	\$	252.67
Coffee Unlimited	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	50.00
	Water Filtration System, 12/1/18 - 12/31/18	\$	164.75
	Coffee Supplies	\$	934.23
Com Ed		\$	1,098.98
	Electric Service, 11/1/18-12/31/18: Suite 2600	\$	674.09
	Electric Service, 10/31/18 - 12/31/18: Suite 2650	\$	164.17
Concur Technologies, Inc.	Travel Expense Tracker, 12/1/18 - 12/31/18	\$	838.26
Cutting Edge Document	Shredding of Confidential Data	\$	318.05
Dickman-Lopez, Robert	Reimburse, Trans., Due Diligence Meeting, 12/3/18, Philadelphia, PA	\$	115.00
Digital Deployment, Inc.	Website Consulting, 12/1/18 - 12/31/18	\$	153.45
Direct Energy	Electric Service, 11/1/18 - 12/2/18: Suite 2600	\$	900.00
Election Services Corporation	Final Billing, Teacher/Trustee Election, 11/9/18	\$	1,172.10
Emcor Services Team Mechanical	HVAC Maintenance, 7/1/18 - 9/30/18	\$	26,441.12
	HVAC Maintenance, 10/1/18 - 12/31/18	\$	791.25
	Service Call, Server Room, 11/29/18	\$	791.25
Foster Pepper, PLLC.	Legal Services, Investments, 8/1/18 - 8/31/18	\$	2,080.00
	Legal Services, Investments, 9/1/18 - 9/30/18	\$	3,662.50
	Legal Services, Investments, 10/1/18 - 10/31/18	\$	10,285.00
	Legal Services, Investments, 11/1/18 - 11/30/18	\$	19,550.00
Furlong, Mark	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	4,882.50
Gabriel, Roeder, Smith & Co.	Actuarial Services, 11/1/18 - 11/30/18	\$	12,955.00
Garvey's Office Products	Office Supplies	\$	47,672.50
	Trustee Supplies	\$	50.00
Hinckley Springs	Bottled Water	\$	7580.00
Holleman, Michelle	Monthly Consulting, 11/1/18 - 11/30/18	\$	760.13
Ice Miller	Legal Services, Litigation, 11/1/18 - 11/30/18	\$	218.48
Institutional Limited Partners Association	Membership Dues, 1/1/19 - 12/31/19	\$	978.61
		\$	3.99
International Foundation for Employee Membership Department	Membership Dues, 1/1/19 - 12/31/19	\$	9,375.00
Int'l Business Machines Corp.	Data Vault Backup Service, 11/1/18 - 11/30/18	\$	72.86
	Disaster Recovery Service, 12/17/18 - 1/16/19	\$	4,000.00
IPPFA	Membership Dues, 1/1/19 - 12/31/19	\$	1,635.00
Iron Mountain	Computer Daily Backup Storage Charges, 11/1/18 - 11/30/18	\$	2,387.07
Jacobs, Burns, Orlove & Hernandez	Legal Services, Litigation 8/1/18 - 8/31/18	\$	2,615.00
	Legal Services, General, 8/1/18 - 8/31/18	\$	5,002.07
	Legal Services, Litigation, 9/1/18 - 9/30/18	\$	795.00
	Legal Services, General, 9/1/18 - 9/30/18	\$	767.28
	Member Information Search, 11/1/18 - 11/30/18	\$	27,558.74
Lexis Nexis	Initiation Fee	\$	12,091.63
Lifestart Wellness Network	CTPF Webinars, 12/2/18 - 1/1/19	\$	44,337.42
LogMeIn USA, Inc.	Security Software Upgrade	\$	44,300.45
Midco, Inc.	Death Audit Searches, 11/1/18 - 11/30/18	\$	128,288.24
National Association for Public Health Statistics		\$	330.63
		\$	250.00
		\$	517.20
		\$	3,538.65
		\$	2,000.00
National Conference on Public Employee Retirement Systems	Membership Dues, 1/1/19 - 12/31/19	\$	2,000.00

National Council on Teacher Retirement	Membership Dues, 1/1/19 - 12/31/19	\$	5,030.00
Nelson, Lois	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	200.00
North Shore Printers, Inc.	Business Cards	\$	569.00
Padilla, Tina	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	225.00
Partners By Design	Professional Design Services, 10/1/18 - 10/31/18	\$ 7,246.98	
	Professional Design Services, 11/1/18 - 11/30/18	\$ 1,613.09	\$ 8,860.07
Pension Real Estate Assoc.	Membership Dues, 1/1/19 - 12/31/19	\$	330.00
Plante Moran, PLLC.	Services Rendered, External Audit, FY18	\$ 18,000.00	
	Services Rendered, Census Attestation, GASB 75	\$ 15,600.00	
	Professional Services, Internal Audit, thru 11/20/18	\$ 7,200.00	
	Professional Services, Internal Audit, thru 12/18/18	\$ 12,300.00	\$ 53,100.00
Price-Ward, Jacquelyn	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	50.00
Redfeairn, Gregory	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	175.00
Reed Smith, LLP.	Legal Tax Services, thru 12/17/18	\$	118.50
Rehak, Jay C.	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	175.00
Reilly, Mary Sharon	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	300.00
Rodriguez, Maria J.	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	300.00
Sentinel Technologies, Inc.	Managed Service Agreement, 12/1/18 - 12/31/18	\$	2,191.20
SHI International Corp.	IP Phones	\$ 2,538.16	
	Computer Equipment	\$ 60.16	
	Apple iPad Accessories	\$ 504.00	\$ 3,102.32
Sikich, LLP.	Micro Dynamics, Advantage Plan, 2/13/19 - 2/12/20	\$ 7,463.60	
	Laser Check Enhancement Plan, 2/19/19 - 2/18/20	\$ 216.00	\$ 7,679.60
Staff Salary - CTPF	Office Salary for December 2018		\$ 621,983.33
Sun Life Assurance Company of Canada	Life Insurance, 12/1/18 - 12/31/18: Staff	\$	4,319.44
Sword & Shield Enterprise Security	Security Consulting 12/1/18 - 12/31/18	\$	3,700.00
Travlos, Jerry	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	50.00
Unishippers	Delivery Service thru 12/12/18	\$	160.22
USPO Chicago 1, LLC.	Rent, 12/1/18 - 12/31/18	\$ 55,146.33	
	Operating Expenses, 12/1/18 - 12/31/18	\$ 37,578.00	
	Tenant Services, 11/1/18 - 11/30/18	\$ 270.00	\$ 92,994.33
Verizon	Monthly Telephone Service, 12/1/18 - 12/31/18	\$	1,216.70
Vision Mai, LLC.	Legislative Consulting, 12/1/18 - 12/31/18	\$	6,750.00
Ward, Gail	Reimburse, Meeting Travel Expense, 10/1/18 - 12/31/18	\$	23.00
Workplace Solutions	EAP Assistance Program, 12/1 - 12/31/18: Staff	\$	300.44
Zahn Governmental Solutions, LLC.	Legislative Consulting, 11/1/18 - 11/30/18	\$	5,000.00
PHYSICIANS, DISABILITY APPLICANTS			
Access Medical Evaluations	Eval & Report, H.Y. by Dr. Upadhyay	\$	800.00
		\$ 1,141,468.55	

Administrative Expenses 1/1/19 - 1/31/19			
VENDOR	DESCRIPTION	AMOUNT	
A T & T	Monthly Phone Service, 11/19/18 - 12/18/18	\$	1,892.78
AT & T Mobility	Data Access, 11/25/18 - 12/24/18: Trustees	\$	217.00
ADP Screening & Selection Service	Background Check, New Employees	\$	111.19
Advanced Resources	Temporary Staff, HR, 12/17/18 - 12/23/18	\$ 1,944.08	
	Temporary Staff, HR, 1/14/19 - 1/18/19	\$ 1,862.52	\$ 3,806.60
American Express	Accom., Private Equity & Investment Summit, 11/27/18 - 11/29/18, New York, NY: Miller-May	\$	57.38
	Credit, Accom., ILPA Conf., 11/5/18 - 11/7/18, New York, NY: Kelsen	\$	(320.35)
	Air, Callan Conf., 1/28/18 - 1/30/19, San Francisco, CA: Kelsen	\$	207.97
	Reg, 2019 NAPPA Seminar, 2/20/19 - 2/22/19, Tempe, AZ: Schomberg	\$	555.00
	Educational Training Material: Leadership Team & Administrative Services	\$	106.50
	Educational Training Material: Perez	\$	22.99
	Credit, Educational Training Material	\$	(8.81)
	Hubworks, Call Center Scheduling, 11/1/18 - 11/30/18: Member Services	\$	29.00
	Trans., Private Equity & Investment Summit, 11/27/18 - 11/29/18, New York, NY: Miller-May	\$	62.21
	Breakfast, Meeting with newly elected Trustees, 12/2/19: Burbridge	\$	47.70
	Lunch, Meeting with President Blackwell, 12/3/19: Burbridge	\$	25.75
	Trans., NAREIM Conference, 12/5/18, Chicago, IL: Miller-May	\$	8.25
	American Express Card, Membership Dues, 1/1/19 - 12/31/19: Administration	\$	55.00
	American Express Card, Membership Dues, 1/1/19 - 12/31/19: Burbridge	\$	55.00
	American Express Card, Membership Dues, 1/1/19 - 12/31/19: White	\$	55.00
	American Express Card, Membership Dues, 1/1/19 - 12/31/19: McCoy	\$	55.00
	American Express Card, Membership Dues, 1/1/19 - 12/31/19: Shamley	\$	55.00
	American Express Card, Membership Dues, 1/1/19 - 12/31/19: Cavallaro	\$	55.00
	American Express Card, Membership Dues, 1/1/19 - 12/31/19: Schroeder	\$	55.00
	American Express Card, Membership Dues, 1/1/19 - 12/31/19: Miller-May	\$	55.00
	American Express Card, Membership Dues, 1/1/19 - 12/31/19: Schomberg	\$	55.00
	American Express Card, Membership Dues, 1/1/19 - 12/31/19: Ihejirika	\$	55.00
	American Express Card, Membership Dues, 1/1/19 - 12/31/19: Vohra	\$	55.00
	Membership Dues, Nappa, 1/1/19 - 12/31/19: Gonzales	\$	300.00
	Membership Dues, Attorney Regulatory & Disciplinary Commission, 1/1/19 - 12/31/19: Gonzales	\$	393.47
	Subscription Renewal, The Economist, 1/24/19 - 3/23/19: Burbridge	\$	42.00
	Breakfast, Staff Appreciation, 12/20/18	\$	1,034.07
	Educational Training Material: Trustees	\$	255.83
	Amazon Consulting, ERS Website, 11/1/18 - 11/30/18	\$	1,114.53
	Intelius, Member Locator Service, 12/1/18 - 12/31/18: Benefits	\$	139.65
	Constant Contact, Payment Receipt, Email Links, 12/1/18 - 12/31/18	\$	373.53
	Office Supplies	\$	307.08

	Refreshments, Finance Committee Meeting, 12/6/18	\$	38.05	
	Lunch, Investment Manager's Meeting, 12/7/18	\$	420.05	
	Breakfast, Investment Manager's Meeting, 12/7/18	\$	25.22	
	Refreshments, Investment Manager's Meeting, 12/7/18	\$	6.01	
	Lunch, Trustee Meeting, 12/18/18	\$	390.80	
	Breakfast, Trustee Meeting, 12/18/18	\$	145.67	\$ 6,384.55
Arhat	Digitizing of Microfilm & Microfiche, 12/16/18 - 1/15/19			\$ 510.00
Chicago Messenger Service, Inc.	Delivery Service, thru 1/18/19			\$ 185.74
Coffee Unlimited	Water Filtration System, 1/1/19 - 1/31/19			\$ 164.75
Com Ed	Electric Service, 12/3/18 - 1/7/19: Suite 2650	\$	169.91	
	Electric Service, 12/3/18 - 1/6/19: Suite 2600	\$	750.72	\$ 920.63
Comgraphic, Inc.	Processing, Pension Checks & Advices, November 2018	\$	16,187.99	
	Processing, Pension Checks & Advices, December 2018	\$	16,014.61	\$ 32,202.60
Concur Technologies, Inc.	Travel Expense Tracker, 1/1/19 - 1/31/19			\$ 318.05
Cutting Edge Document	Shredding of Confidential Data, 1/8/19			\$ 115.00
Digital Deployment, Inc.	Website Consulting Service, 1/1/19 - 1/31/19			\$ 900.00
Direct Energy	Electric Service, 12/3/18 - 1/5/19: Suite 2600			\$ 1,271.57
Directv	Satellite Reception, 12/10/18 - 1/9/19: Trustees			\$ 7.00
Gabriel, Roeder, Smith & Company	Actuarial Services, 12/1/18 - 12/31/18			\$ 7,100.00
Garvey's Office Products	Office Supplies			\$ 1,650.35
Goldstine, Skrodzki, Russian, Nemec & Hoff, Ltd.	Legal Services, Return to Hearing, 11/1/18 - 11/30/18			\$ 700.00
Government Finance Officers Assoc.	Filing Fee, FY2018, CAFR			\$ 1,095.00
Holleman, Michelle	Monthly Consulting, 12/1/18 - 12/31/18			\$ 8,820.00
Hurtado, Daniel	Reg., 2019 NAPPA Seminar, 2/20/19 - 2/22/19, Tempe, AZ	\$	485.00	
	Membership Dues, Attorney Regulatory & Disciplinary Commission, 1/1/19 - 12/31/19	\$	385.00	\$ 870.00
Ice Miller, LLP.	Legal, Litigation, 11/1/18 - 11/30/18	\$	332.50	
	Legal, Tax, 11/1/18 - 11/30/18	\$	2,805.00	
	Legal, Tax, 12/1/18 - 12/31/18	\$	5,000.00	\$ 8,137.50
Interpark	Parking Passes			\$ 900.00
Intl Business Machines Corp.	Data Vault Backup Service, 12/1/18 - 12/31/18			\$ 2,387.07
Iron Mountain	Computer Daily Backup Storage Charges, 12/1/18 - 12/31/18			\$ 783.00
Jacobs, Burns, Orlove & Hernandez	Legal, Litigation, 10/1/18 - 10/31/18	\$	40,605.49	
	Legal, General, 10/1/18 - 10/31/18	\$	35,606.45	\$ 76,211.94
LexisNexis	Member Information Search, 12/1/18 - 12/31/18			\$ 330.63
Logmen USA, Inc.	CTPF Webinars, 1/2/19 - 2/1/19			\$ 517.20
Microsystems, Inc.	Annual Storage Charges, 1/1/19 - 12/31/19			\$ 2,357.10
Midco, Inc.	Security Maintenance, 11/1/18 - 10/31/19			\$ 7,489.05
North Shore Printers, Inc.	Retirement Post Cards			\$ 2,293.00
Partners By Design	Professional Design Services, 12/1/18 - 12/31/18			\$ 1,789.53
Pension Benefit Information	Death Audit Services			\$ 7,953.00
Plante Moran, PLLC.	Professional Services, Trustee Training on ERM, 12/18/18			\$ 9,800.00
Sentinel Technologies, Inc.	Smartnet Services, 11/15/18 - 10/24/19	\$	1,618.00	
	Managed Service Agreement, 1/1/19 - 1/31/19	\$	2,186.80	\$ 3,804.80
SHI International Corp.	Apple iPads	\$	5,136.00	
	Host Software, VMware & VSphere, 12/14/18 - 12/13/19	\$	28,498.00	
	Maintenance, VMware & VSphere, 12/14/18 - 12/13/19	\$	14,216.00	\$ 47,850.00
Solomon Cloud Solutions	Consulting Service, Finance, 1/7/19 & 1/11/19			\$ 222.00
Staff Salary - CTPF	Office Salary for January 2019			\$ 630,055.45
Sun Life Assurance Company of Canada	Life Insurance, 1/1/19 - 1/31/19: Staff			\$ 4,282.06
U.S. Postmaster	Postage, Retirement Seminars, 2/18/19 & 4/16/19			\$ 2,047.58
Unishippers	Delivery Service thru 1/23/19			\$ 56.43
USPO Chicago 1, LLC.	Rent, 1/1/19 - 1/31/19	\$	56,345.17	
	Operating Expenses, 1/1/19 - 1/31/19	\$	36,035.00	
	Tenant Services, 11/17/18 - 12/13/18	\$	195.00	
	Water Deposit, Suite 2600	\$	638.00	\$ 93,213.17
Vision Mai, LLC.	Legislative Consulting, 1/1/19 - 1/31/19			\$ 6,750.00
Workplace Solutions	EAP Assistance Program, 1/1/19 - 1/31/19: Staff			\$ 300.44
Zahn Governmental Solutions, LLC.	Legislative Consulting, 12/1/18 - 12/31/18			\$ 5,000.00
PHYSICIANS, DISABILITY APPLICANTS				
RECORD COPY SERVICES	Medical Records, S.V. by Dr. Bitar	\$	79.75	
	Medical Records, T.W. by Dr. Mihailescu	\$	155.75	
	Medical Records, A.B. by Dr. Micco	\$	29.75	
	Medical Records, D.D. by Dr. Kudirka	\$	448.75	
	Medical Records, D.D. by Dr. Nacke	\$	289.25	
	Medical Records, D.D. by Dr. Katz	\$	186.50	
	Medical Records, D.D. by Dr. Garcini	\$	99.75	
	Medical Records, T. J. by Dr. James	\$	137.75	\$ 1,427.25
				\$ 985,201.01

Administrative Expenses
2/1/19 - 2/28/19

VENDOR	DESCRIPTION	AMOUNT
A T & T	Monthly Phone Service, 12/19/18 - 1/19/19	\$ 1,889.94
AT & T Mobility	Data Access, 12/25/18 - 1/24/19: Trustees	\$ 217.00
ACL Services, Ltd.	Internal Audit Software, 1/31/19 - 1/30/20	\$ 29,600.00
ADP Screening & Selection Service	Background Check, New Employees	\$ 23.48
Advanced Resources	Temporary Staff, HR, 1/21/19 - 1/27/19	\$ 1,617.80
	Temporary Staff, HR, 1/28/19 - 2/3/19	\$ 1,033.22
	Temporary Staff, HR, 2/4/19 - 2/10/19	\$ 1,699.38
	Air, Institutional Investment Public Funds Roundtable, 4/24/19 - 5/1/19:	\$ 4,350.40
American Express	Miller-May	\$ 195.96
	Air, NAPPA Conf., 2/19/19 - 2/23/19, Phoenix, AZ: Schomberg	\$ 459.17
	Hubworks, Call Center Scheduling, 1/1/19 - 1/31/19: Member Services	\$ 29.00
	Time Value, Tax Reporting Software, 1/1/19 - 12/31/19 : IT	\$ 69.00
	Tracking Software, 1/2/19 - 2/2/19: IT-PMO	\$ 10.00
	Lunch, Off-Site Meeting, 1/4/19, Chicago, IL: Burbridge	\$ 61.90
	Lunch, Off-Site Meeting, 1/9/19, Chicago, IL: Burbridge	\$ 47.59
	Lobbyist Registration Fee, 1/1/19 - 12/31/19	\$ 307.05
	Lunch, Staff Appreciation, 1/23/19	\$ 1,010.71
	Amazon Consulting, ERS, 12/1/18 - 12/31/18	\$ 1,144.54
	Intelius, Member Locator Service, 1/1/19 - 1/31/19	\$ 119.70
	Constant Contact, Payment Receipts E-Mail, 1/1/19 - 1/31/19	\$ 373.53
	Refreshments, Turning 65 Seminar, 1/8/19	\$ 131.08
	Lunch, Turning 65 Seminar, 1/8/19	\$ 176.58
	Office Supplies	\$ 103.98
	Trustee Supplies	\$ 33.00
	Breakfast, Return to Work Meeting, 1/4/19	\$ 26.64
	Refreshments, Policy Committee Meeting, 1/14/19	\$ 46.95
	Framing of Trustee Photo's, 1/14/19	\$ 683.00
	Lunch, Trustee Meeting, 1/17/19	\$ 517.80
	Breakfast, Trustee Meeting, 1/17/19	\$ 205.13
	Lunch, Personnel Committee Meeting, 1/18/19	\$ 61.24
	Breakfast, Personnel Committee Meeting, 1/18/19	\$ 28.55
	Refreshments, Trustee Meetings	\$ 54.73
	Lunch, Investment Committee Meeting, 1/24/19	\$ 280.03
	Breakfast, Investment Committee Meeting, 1/24/19	\$ 77.94
	American Express Card, Membership Dues, 1/1/19 - 5/31/19: Trustee Clay	\$ 18.33
	American Express Card, Membership Dues, 1/1/19 - 5/31/19: Trustee Price-Ward	\$ 18.33
Arhat	Digitizing of Microfilm & Microfiche, 12/16/18 - 1/15/19	\$ 510.00
Baez, Susan	Reimburse, Project Management Training, 9/14/18 & 9/21/18, DuPage County, IL	\$ 40.42
BNY Mellon	BNY Service Charge, 12/1/18 - 12/31/18	\$ 1,028.43
	BNY Service Charge, 1/1/19 - 1/31/19	\$ 445.59
Bradley Consulting Group, Inc.	Consulting Service, 12/1/18 - 12/31/18	\$ 31,792.50
	Consulting Service, 1/1/19 - 1/31/19	\$ 30,645.00
Canvassing Board	Pension Representative Stipend, Teacher/Trustee Election, 11/9/2018	\$ 5,750.00
Chicago Messenger Service, Inc.	Delivery Service thru 2/10/19	\$ 416.78
Clear Law Institute, LLC.	Webinar, Accounting Manager's Guide to Difficult Conversations	\$ 99.00
Clyde Printing Company	Trustee Election Information Sheets	\$ 160.00
Coffee Unlimited	Water Filtration System, 2/1/19 - 2/28/19	\$ 164.75
	Coffee Supplies	\$ 279.39
ComEd	Electric Service, 1/7/19 - 2/5/19: Suite 2650	\$ 163.27
	Electric Service, 1/6/19 - 2/5/19: Suite 2600	\$ 728.19
Comgraphic, Inc.	Processing, 1099R's, CY2018	\$ 23,031.56
	Processing, Pension Checks & Advices, January 2019	\$ 14,103.68
Concur Technologies, Inc.	Travel Expense Tracker, 2/1/19 - 2/28/19	\$ 318.05
Cutting Edge Document	Shredding of Confidential Data	\$ 115.00
Digital Deployment, Inc.	Website Consulting, 2/1/19 - 2/28/19	\$ 900.00
Direct Energy	Electric Service, 1/6/19 - 2/4/19: Suite 2600	\$ 1,115.07
DirecTV	Annual Satellite Reception, 1/1/19 - 12/31/19	\$ 767.88
	Satellite Reception, 1/10/19 - 2/9/19	\$ 7.00
	Satellite Reception, 2/10/19 - 3/9/19	\$ 7.00
Emcor Services Team Mechanical	HVAC Maintenance, 1/1/19 - 3/31/19	\$ 781.88
Foster Pepper, PLLC.	Legal, Investments 10/24/18 - 10/31/18	\$ 15,522.50
	Legal, Investments, 11/1/18 - 11/14/18	\$ 5,582.50
	Legal, Investments, 12/3/18	\$ 157.50
	Legal, Investments, 12/4/18 - 12/20/18	\$ 4,460.00
Fuse, LLC.	Newsletters, Winter 2019	\$ 1,379.99
	Postage, Newsletters, Winter 2019	\$ 5,510.20
	Retirement Booklets	\$ 1,667.11
Gabriel, Roeder, Smith & Company	Actuarial Services, 1/1/19 - 1/31/19	\$ 8,557.30
Garvey's Office Products	Office Supplies	\$ 3,385.00
	Trustee Supplies	\$ 1,218.50
Goldstine, Skrodzki, Russian, Nemec & Hoff, Ltd.		\$ 78.16
Grant Thornton, LLP.	Legal, Return to Work Hearings, 1/1/19 - 1/31/19	\$ 700.00
Hilton Oak Lawn	Internal Audit, 12/5/18 - 1/17/19	\$ 1,505.00
	Deposit, Retirement Seminar, 2/18/19	\$ 5,198.00

Administrative Expenses
2/1/19 - 2/28/19

VENDOR	DESCRIPTION	AMOUNT
A T & T	Monthly Phone Service, 12/19/18 - 1/19/19	\$ 1,889.94
AT & T Mobility	Data Access, 12/25/18 - 1/24/19: Trustees	\$ 217.00
ACL Services, Ltd.	Internal Audit Software, 1/31/19 - 1/30/20	\$ 29,600.00
ADP Screening & Selection Service	Background Check, New Employees	\$ 23.48
Advanced Resources	Temporary Staff, HR, 1/21/19 - 1/27/19	\$ 1,617.80
	Temporary Staff, HR, 1/28/19 - 2/3/19	\$ 1,033.22
	Temporary Staff, HR, 2/4/19 - 2/10/19	\$ 1,699.38
	Air, Institutional Investment Public Funds Roundtable, 4/24/19 - 5/1/19:	\$ 4,350.40
American Express	Miller-May	\$ 195.96
	Air, NAPPA Conf., 2/19/19 - 2/23/19, Phoenix, AZ: Schomberg	\$ 459.17
	Hubworks, Call Center Scheduling, 1/1/19 - 1/31/19: Member Services	\$ 29.00
	Time Value, Tax Reporting Software, 1/1/19 - 12/31/19 : IT	\$ 69.00
	Tracking Software, 1/2/19 - 2/2/19: IT-PMO	\$ 10.00
	Lunch, Off-Site Meeting, 1/4/19, Chicago, IL: Burbridge	\$ 61.90
	Lunch, Off-Site Meeting, 1/9/19, Chicago, IL: Burbridge	\$ 47.59
	Lobbyist Registration Fee, 1/1/19 - 12/31/19	\$ 307.05
	Lunch, Staff Appreciation, 1/23/19	\$ 1,010.71
	Amazon Consulting, ERS, 12/1/18 - 12/31/18	\$ 1,144.54
	Intelius, Member Locator Service, 1/1/19 - 1/31/19	\$ 119.70
	Constant Contact, Payment Receipts E-Mail, 1/1/19 - 1/31/19	\$ 373.53
	Refreshments, Turning 65 Seminar, 1/8/19	\$ 131.08
	Lunch, Turning 65 Seminar, 1/8/19	\$ 176.58
	Office Supplies	\$ 103.98
	Trustee Supplies	\$ 33.00
	Breakfast, Return to Work Meeting, 1/4/19	\$ 26.64
	Refreshments, Policy Committee Meeting, 1/14/19	\$ 46.95
	Framing of Trustee Photo's, 1/14/19	\$ 683.00
	Lunch, Trustee Meeting, 1/17/19	\$ 517.80
	Breakfast, Trustee Meeting, 1/17/19	\$ 205.13
	Lunch, Personnel Committee Meeting, 1/18/19	\$ 61.24
	Breakfast, Personnel Committee Meeting, 1/18/19	\$ 28.55
	Refreshments, Trustee Meetings	\$ 54.73
	Lunch, Investment Committee Meeting, 1/24/19	\$ 280.03
	Breakfast, Investment Committee Meeting, 1/24/19	\$ 77.94
	American Express Card, Membership Dues, 1/1/19 - 5/31/19: Trustee Clay	\$ 18.33
	American Express Card, Membership Dues, 1/1/19 - 5/31/19: Trustee Price-Ward	\$ 18.33
Arhat	Digitizing of Microfilm & Microfiche, 12/16/18 - 1/15/19	\$ 6,291.46
	Reimburse, Project Management Training, 9/14/18 & 9/21/18, DuPage County, IL	\$ 510.00
Baez, Susan		\$ 40.42
BNY Mellon	BNY Service Charge, 12/1/18 - 12/31/18	\$ 1,028.43
	BNY Service Charge, 1/1/19 - 1/31/19	\$ 445.59
Bradley Consulting Group, Inc.	Consulting Service, 12/1/18 - 12/31/18	\$ 31,792.50
	Consulting Service, 1/1/19 - 1/31/19	\$ 30,645.00
Canvassing Board	Pension Representative Stipend, Teacher/Trustee Election, 11/9/2018	\$ 5,750.00
Chicago Messenger Service, Inc.	Delivery Service thru 2/10/19	\$ 416.78
Clear Law Institute, LLC.	Webinar, Accounting Manager's Guide to Difficult Conversations	\$ 99.00
Clyde Printing Company	Trustee Election Information Sheets	\$ 160.00
Coffee Unlimited	Water Filtration System, 2/1/19 - 2/28/19	\$ 164.75
	Coffee Supplies	\$ 279.39
ComEd	Electric Service, 1/7/19 - 2/5/19: Suite 2650	\$ 163.27
	Electric Service, 1/6/19 - 2/5/19: Suite 2600	\$ 728.19
Comgraphic, Inc.	Processing, 1099R's, CY2018	\$ 23,031.56
	Processing, Pension Checks & Advices, January 2019	\$ 14,103.68
Concur Technologies, Inc.	Travel Expense Tracker, 2/1/19 - 2/28/19	\$ 318.05
Cutting Edge Document	Shredding of Confidential Data	\$ 115.00
Digital Deployment, Inc.	Website Consulting, 2/1/19 - 2/28/19	\$ 900.00
Direct Energy	Electric Service, 1/6/19 - 2/4/19: Suite 2600	\$ 1,115.07
DirecTV	Annual Satellite Reception, 1/1/19 - 12/31/19	\$ 767.88
	Satellite Reception, 1/10/19 - 2/9/19	\$ 7.00
	Satellite Reception, 2/10/19 - 3/9/19	\$ 7.00
Emcor Services Team Mechanical	HVAC Maintenance, 1/1/19 - 3/31/19	\$ 781.88
Foster Pepper, PLLC.	Legal, Investments 10/24/18 - 10/31/18	\$ 791.25
	Legal, Investments, 11/1/18 - 11/14/18	\$ 15,522.50
	Legal, Investments, 12/3/18	\$ 5,582.50
	Legal, Investments, 12/4/18 - 12/20/18	\$ 157.50
Fuse, LLC.	Newsletters, Winter 2019	\$ 4,460.00
	Postage, Newsletters, Winter 2019	\$ 1,379.99
	Retirement Booklets	\$ 5,510.20
Gabriel, Roeder, Smith & Company	Actuarial Services, 1/1/19 - 1/31/19	\$ 1,667.11
Garvey's Office Products	Office Supplies	\$ 8,557.30
	Trustee Supplies	\$ 3,385.00
Goldstine, Skrodzki, Russian, Nemec & Hoff, Ltd.		\$ 1,218.50
Grant Thornton, LLP.		\$ 78.16
Hilton Oak Lawn	Legal, Return to Work Hearings, 1/1/19 - 1/31/19	\$ 700.00
	Internal Audit, 12/5/18 - 1/17/19	\$ 1,505.00
	Deposit, Retirement Seminar, 2/18/19	\$ 5,198.00

Administrative Expenses
2/1/19 - 2/28/19

VENDOR	DESCRIPTION	AMOUNT
Hinckley Springs	Bottled Water	\$ 62.97
Holleman, Michelle	Consulting, 1/1/19 - 1/31/19	\$ 14,940.00
Ice Miller, LLP.	Legal, Litigation 12/1/18 - 12/31/18	\$ 178.11
	Legal, Tax, 12/1/18 - 12/31/18	\$ 4,083.13
Imaging Office Systems, Inc.	Cannon Scanners	\$ 6,107.74
	Maintenance, Cannon Scanners, 7/1/18 - 6/30/19	\$ 1,948.00
Impact Networking, LLC.	Copier, Contract Overage, 7/1/18 - 12/31/18	\$ 4,416.60
	Copier, Contract Coverage, 1/1/19 - 6/30/19	\$ 4,156.26
Int'l Business Machines Corp.	Disaster Recovery Services, 1/7/19 - 2/16/19	\$ 2,615.00
	Data Vault Backup Services, 1/1/19 - 1/30/19	\$ 2,387.07
	Disaster Recovery Services, 2/17/19 - 3/16/19	\$ 2,615.00
Iron Mountain	Computer Daily Backup Storage Charges, 1/1/19 - 1/31/19	\$ 941.31
Jackson, Belisa	Tuition Reimbursement, 2 Classes	\$ 2,400.00
LexisNexis	Member Information Search, 1/1/19 - 1/31/19	\$ 340.55
LogMeln USA, Inc.	CTPF Webinars, 2/2/19 - 3/1/19	\$ 517.20
Scott McDougall Photography	Photo Services, Trustees & Staff	\$ 1,496.00
MSCI, Inc.	Renewal, Data License, 1/26/19 - 1/25/20: Investments	\$ 1,000.00
Neofunds by Neopost	Replenishment of Postage, 10/10/18	\$ 2,020.00
	Replenishment of Postage, 11/9/18	\$ 2,020.00
	Replenishment of Postage, 12/10/18	\$ 1,049.00
	Replenishment of Postage, 01/10/19	\$ 2,059.00
	Replenishment of Postage, 2/7/19	\$ 2,059.00
North Shore Printers, Inc.	Trustee Business Cards	\$ 130.00
	Election Retractable Banners	\$ 539.00
	CAFR Reports	\$ 1,819.00
Plante Moran, PLLC.	Final Billing, External Audit, FY 2018	\$ 2,180.00
	Final Billing, Census Attestation, GASB 75	\$ 23,450.00
	Services Rendered, External Audit, 12/21/18 - 1/20/19	\$ 1,500.00
	Professional Services, Internal Audit, thru 1/20/19	\$ 5,500.00
Public Pension Financial Forum	Membership Dues, 1/1/19 - 12/31/19: White	\$ 150.00
	Membership Dues, 1/1/19 - 12/31/19: Aguilar	\$ 150.00
	Reimburse, International Foundation Conf., 10/12/18 - 10/16/18, New Orleans, LA	\$ 1,971.13
Redfeairn, Gregory	Legal Tax Services, 12/4/18	\$ 550.00
Reed Smith, LLP.	Renewal, Fixed Asset Software, 2/18/19 - 2/17/20	\$ 2,188.00
Sage Software	Network Switches	\$ 19,832.00
Sentinel Technologies, Inc.	Maintenance Agreement, 1/1/19 - 12/31/19	\$ 1,514.00
	Network Switch Connectors	\$ 4,528.00
	Managed Service Agreement, 2/1/19 - 2/28/19	\$ 2,257.20
Solomon Cloud Solutions	Consulting Service, Finance, 1/22/19	\$ 55.50
Staff Salary - CTPF	Office Salary for February 2019	\$ 656,065.69
Sun life	Life Insurance, 2/1/19 - 2/28/19: Staff	\$ 4,922.54
Sword & Shield Enterprise Security	Security Consulting, 1/1/19 - 1/31/19	\$ 3,700.00
	Security Consulting, 2/1/19 - 2/28/19	\$ 3,700.00
	Web Application Retest, 12/31/18	\$ 575.00
Unishippers	Delivery Service thru 2/7/19	\$ 438.84
U S. Postmaster	P.O. Box Service Fee, 1/1/19 - 12/31/19	\$ 1,210.00
USPO Chicago 1, LLC.	Rent, 2/1/19 - 2/28/19	\$ 56,345.17
	Operating Expenses, 2/1/19 - 2/28/19	\$ 36,035.00
	Tenant Services, 12/14/18 - 1/10/19	\$ 311.80
	Rent, 3/1/19 - 3/31/19	\$ 56,345.17
	Operating Expenses, 3/1/19 - 3/31/19	\$ 36,035.00
	Tenant Services, 1/14/19 - 2/10/19	\$ 430.00
Verizon	Monthly Internet Service, 1/1/19 - 1/31/19	\$ 1,365.56
	Monthly Internet Service, 2/1/19 - 2/28/19	\$ 1,365.13
Vision Mai, LLC.	Legislative Consulting, 2/1/19 - 2/28/19	\$ 6,750.00
Workplace Solutions	EAP Program, 2/1/19 - 2/28/19: Staff	\$ 300.44
Zahn Governmental Solutions, LLC.	Legislative Consulting, 1/1/19 - 1/31/19	\$ 5,000.00
PHYSICIANS, DISABILITY APPLICANTS		
Access Medical Evaluations	No Show, H.G. by Dr. Kay	\$ 150.00
	No Show, H.G. by Dr. Hsin	\$ 150.00
	Eval & Report, H.G. by Dr. Kay	\$ 800.00
	Eval & Report, H.G. by Dr. Chien	\$ 800.00
	Eval & Report, V.L. by Dr. Kay	\$ 800.00
	Eval & Report, V.L. by Dr. Upadhyay	\$ 800.00
	Eval & Report, A.B. by Dr. Chien	\$ 800.00
	Eval & Report, A.B. by Dr. Upadhyay	\$ 800.00
	Eval & Report, T.J. by Dr. Upadhyay	\$ 800.00
	Eval & Report, K.E. by Dr. Upadhyay	\$ 800.00
	Eval & Report, T.J. by Dr. Chien	\$ 800.00
	Eval & Report, K.E. by Dr. Chien	\$ 800.00
Record Copy Services	Medical Records, T.J. by Dr. Sunbuli	\$ 109.75
	Medical Records, T.W. by Dr. Sunbuli	\$ 219.75
	Medical Records, J.F. by VA Medical Center	\$ 179.75

Administrative Expenses
2/1/19 - 2/28/19

VENDOR	DESCRIPTION	AMOUNT
	Medical Records, D.D. by Dr. Katilius	\$ 107.05
	Medical Records, D.D. by Pinnacle Dermatology	\$ 169.50
	Medical Records, D.D. by Dr. Katz	\$ 498.50
	Medical Records, W.N. by Dr. Candido	\$ 147.75
	Medical Records, C.N. by Dr. Aronson	\$ 107.75
	Medical Records, T.W. by Dr. Macaluso	\$ 69.75 \$ 9,909.55
		<u>\$ 1,210,647.21</u>

Chairperson Redfeairn moved the Report of the Committee on Finance and Audit and the Report of the Financial Secretary to the Omnibus.

FINANCIAL STATEMENTS

The Financial Secretary presented a report on the Fund's net assets, changes in net assets, and supporting reports for the six months ending December 31, 2018, and seven months ending January 31, 2019, with the recommendation that it be approved and printed in the proceedings of this meeting.

PUBLIC SCHOOL TEACHERS' PENSION AND RETIREMENT FUND OF CHICAGO

STATEMENT OF CHANGE IN PLAN POSITIONS	INTERIM	
	Prelim 6 Months Ended 12/31/2018	12 Months Ended 6/30/2018
ADDITIONS:		
Employer		
State of Illinois	12,087,000	11,692,000
Employer data/cash	131,471	309,835
CPS Required Contribution	569,701,000	551,410,000
CPS Normal Cost from State of Illinois	226,782,000	221,300,000
	<u>808,701,471</u>	<u>784,711,835</u>
Employee	78,972,227	183,369,370
Income from investment activities		
Interest	39,786,642	86,397,678
Dividends	84,711,650	182,949,696
Realized gains (losses)	86,620,311	610,127,808
Unrealized gains (losses)	(896,019,977)	50,450,654
Miscellaneous investment income	663,071	1,081,966
Gross income from investment activities:	<u>(684,238,303)</u>	<u>931,007,802</u>
Income from securities lending activities:		
Securities lending income	2,032,683	4,500,198
Gross income from securities lending activities:	<u>2,032,683</u>	<u>4,500,198</u>
Interest received on late contribution payments	1,449,709	1,123,915
Miscellaneous income	21,467	351,361
TOTAL ADDITIONS	<u>206,939,254</u>	<u>1,905,064,481</u>
DEDUCTIONS:		
Refunds	7,022,496	25,065,398
Pension benefits	725,745,661	1,437,264,031
Death benefits	1,257,738	3,951,010
Health insurance	41,189,118	66,333,655
Investment advisory & custodial	22,340,794	38,803,455
Administrative & miscellaneous	7,631,563	15,067,745
Employer data/cash	2,445	-
Prior Period Adjustments	-	6,987,600
Accounts Uncollectible	11,404,000	-
TOTAL DEDUCTIONS	<u>816,593,815</u>	<u>1,593,472,894</u>
NET INCREASE (DECREASE)	<u>(609,654,561)</u>	<u>311,591,587</u>
Net assets available for benefits at beginning of year	<u>11,104,765,514</u>	<u>10,793,173,927</u>
Net positions available for benefits at end of period	<u>10,495,110,953</u>	<u>11,104,765,514</u>

PUBLIC SCHOOL TEACHERS' PENSION AND RETIREMENT FUND OF CHICAGO**STATEMENT OF PLAN POSITIONS**

	Prelim 12/31/2018	Final 6/30/2018
ASSETS		
Cash and cash equivalents	394,587,407	580,897,074
Prepays	129,245	90,787
	<u>129,245</u>	<u>90,787</u>
Receivables:		
CPS Required Contribution	548,344,540	289,191,260
CPS Normal Cost from State of Illinois	151,188,000	18,441,667
State of Illinois Additional Contribution	-	11,692,000
Employee	9,893,302	9,304,638
Interest on required contributions	-	-
Accrued investment income	35,893,921	37,521,126
Participating teachers' accounts for contributions	4,617,527	4,636,522
Other receivables	2,413,539	10,315,826
	<u>752,350,829</u>	<u>381,103,039</u>
Investments, at fair value:		
Equity	5,608,992,565	6,445,200,104
Public REITs	132,694,932	144,771,014
Bonds	2,414,712,507	2,418,220,605
Infrastructure	237,229,408	227,364,041
Real Estate	725,137,444	746,521,607
Private Equity	338,703,886	300,228,413
	<u>9,457,470,742</u>	<u>10,282,305,784</u>
Securities lending collateral received from borrowers	638,131,695	947,417,427
Fixed assets	1,190,580	1,190,580
TOTAL ASSETS	<u>11,243,860,498</u>	<u>12,193,004,691</u>
LIABILITIES		
Securities lending collateral payable	637,010,512	946,404,347
Employer required contribution payable	-	10,449,000
Administrative/accounts payable	111,739,033	131,385,830
TOTAL LIABILITIES	<u>748,749,545</u>	<u>1,088,239,177</u>
Net positions available for benefits	<u>10,495,110,953</u>	<u>11,104,765,514</u>

PUBLIC SCHOOL TEACHERS' PENSION AND RETIREMENT FUND OF CHICAGO**Administrative Budget to Actual Expense**

Category	FY 2019			FY 2018			FY 2017		
	Prelim	Budget	% of Budget	Year Ended	Budget	% of Actual to Budget	Year Ended	Budget	% of Actual to Budget
	6 Months Ended 12/31/2018								
Capital	\$ -	42,000.00	0%	\$ -	7,600.00	0%	-	-	0%
Disaster Recovery	34,515	407,000	8%	64,540	343,100	19%	57,467	172,000	33%
Education and Training	58,390	344,830	17%	206,312	305,301	68%	166,479	270,305	62%
Equipment	164,276	1,136,890	14%	247,307	750,210	33%	414,269	529,175	78%
Membership Dues & Subscriptions	16,929	41,580	41%	35,617	32,709	109%	36,314	32,159	113%
Miscellaneous	5,729	46,270	12%	31,927	39,400	81%	11,691	31,620	37%
Personnel	5,184,425	11,833,500	44%	9,800,127	10,841,428	90%	8,717,635	9,525,124	92%
Professional Services	23,786,688	48,259,130	49%	42,030,632	42,776,286	98%	39,849,434	38,484,209	104%
Property	557,220	1,155,000	48%	1,100,830	1,100,000	100%	1,061,905	1,090,000	97%
Supplemental	98,014	148,500	66%	18,825	144,600	13%	95,228	144,600	66%
Supplies	28,946	81,080	36%	83,752	130,300	64%	87,932	126,774	69%
Utilities	37,225	80,850	46%	67,196	76,990	87%	69,388	76,900	90%
Total	29,972,357 *	63,576,630	47%	53,687,065 *	56,547,924	95%	50,567,743 *	50,482,866	100%

*The administrative expense totals displayed in this table do not include fixed asset depreciation, which is calculated at year-end, or any applicable prior period adjustments. As a result, the totals will not tie to the administrative expenses displayed in the CAFR.

PUBLIC SCHOOL TEACHERS' PENSION AND RETIREMENT FUND OF CHICAGO

STATEMENT OF PLAN POSITIONS

	Prelim 1/31/2019	Final 6/30/2018
ASSETS		
Cash and cash equivalents	376,276,647	580,897,074
Prepays	125,236	90,787
	125,236	90,787
Receivables:		
CPS Required Contribution	547,664,311	289,191,260
CPS Normal Cost from State of Illinois	132,289,500	18,441,667
State of Illinois Additional Contribution	-	11,692,000
Employee	9,958,304	9,304,638
Interest on required contributions	-	-
Accrued investment income	34,483,882	37,521,126
Participating teachers' accounts for contributions	4,637,024	4,636,522
Other receivables	2,423,545	10,315,826
	731,456,566	381,103,039
Investments, at fair value:		
Equity	6,053,741,382	6,445,200,104
Public REITs	148,524,547	144,771,014
Bonds	2,440,204,155	2,418,220,605
Infrastructure	240,036,426	227,364,041
Real Estate	712,077,180	746,521,607
Private Equity	345,043,810	300,228,413
	9,939,627,500	10,282,305,784
Securities lending collateral received from borrowers	738,795,375	947,417,427
Fixed assets	1,190,580	1,190,580
TOTAL ASSETS	11,787,471,904	12,193,004,691
LIABILITIES		
Securities lending collateral payable	737,384,500	946,404,347
Employer required contribution payable	-	10,449,000
Administrative/accounts payable	140,589,332	131,385,830
TOTAL LIABILITIES	877,973,832	1,088,239,177
Net positions available for benefits	10,909,498,072	11,104,765,514

PUBLIC SCHOOL TEACHERS' PENSION AND RETIREMENT FUND OF CHICAGO**STATEMENT OF CHANGE IN PLAN POSITIONS**

	INTERIM	
	Prelim 7 Months Ended 1/31/2019	12 Months Ended 6/30/2018
ADDITIONS:		
Employer		
State of Illinois	12,087,000	11,692,000
Employer data/cash	139,773	309,835
CPS Required Contribution	569,701,000	551,410,000
CPS Normal Cost from State of Illinois	226,782,000	221,300,000
	<u>808,709,773</u>	<u>784,711,835</u>
Employee	93,207,788	183,369,370
Income from investment activities		
Interest	48,011,892	86,397,678
Dividends	96,155,554	182,949,696
Realized gains (losses)	96,634,971	610,127,808
Unrealized gains (losses)	(395,549,027)	50,450,654
Miscellaneous investment income	705,494	1,081,966
Gross income from investment activities:	<u>(154,041,116)</u>	<u>931,007,802</u>
Income from securities lending activities:		
Securities lending income	2,809,385	4,500,198
Gross income from securities lending activities:	<u>2,809,385</u>	<u>4,500,198</u>
Interest received on late contribution payments	1,449,709	1,123,915
Miscellaneous income	30,272	351,361
TOTAL ADDITIONS	<u>752,165,811</u>	<u>1,905,064,481</u>
DEDUCTIONS:		
Refunds	8,748,883	25,065,398
Pension benefits	849,643,151	1,437,264,031
Death benefits	1,594,356	3,951,010
Health insurance	41,000,277	66,333,655
Investment advisory & custodial	26,101,447	38,803,455
Administrative & miscellaneous	8,938,694	15,067,745
Employer data/cash	2,445	-
Prior Period Adjustments	-	6,987,600
Accounts Uncollectible	11,404,000	-
TOTAL DEDUCTIONS	<u>947,433,253</u>	<u>1,593,472,894</u>
NET INCREASE (DECREASE)	<u>(195,267,442)</u>	<u>311,591,587</u>
Net assets available for benefits at beginning of year	<u>11,104,765,514</u>	<u>10,793,173,927</u>
Net positions available for benefits at end of period	<u>10,909,498,072</u>	<u>11,104,765,514</u>

PUBLIC SCHOOL TEACHERS' PENSION AND RETIREMENT FUND OF CHICAGO**Administrative Budget to Actual Expense**

Category	FY 2019			FY 2018			FY 2017		
	Prelim 7 Months Ended 1/31/2019	Budget FY 2019	% of Budget To Date	Year Ended 6/30/2018	Budget FY 2018	% of Actual to Budget	Year Ended 6/30/2017	Budget FY 2017	% of Actual to Budget
Capital	\$ -	42,000.00	0%	\$ -	7,600.00	0%	-	-	0%
Disaster Recovery	40,327	407,000	10%	64,540	343,100	19%	57,467	172,000	33%
Education and Training	61,748	344,830	18%	206,312	305,301	68%	166,479	270,305	62%
Equipment	230,313	1,136,890	20%	247,307	750,210	33%	414,269	529,175	78%
Membership Dues & Subscriptions	19,800	41,580	48%	35,617	32,709	109%	36,314	32,159	113%
Miscellaneous	8,512	46,270	18%	31,927	39,400	81%	11,691	31,620	37%
Personnel	6,122,348	11,833,500	52%	9,800,127	10,841,428	90%	8,717,635	9,525,124	92%
Professional Services	27,721,686	48,259,130	57%	42,030,632	42,776,286	98%	39,849,434	38,484,209	104%
Property	650,550	1,155,000	56%	1,100,830	1,100,000	100%	1,061,905	1,090,000	97%
Supplemental	99,614	148,500	67%	18,825	144,600	13%	95,228	144,600	66%
Supplies	43,232	81,080	53%	83,752	130,300	64%	87,932	126,774	69%
Utilities	42,011	80,850	52%	67,196	76,990	87%	69,388	76,900	90%
Total	35,040,141 *	63,576,630	55%	53,687,065 *	56,547,924	95%	50,567,743 *	50,482,866	100%

*The administrative expense totals displayed in this table do not include fixed asset depreciation, which is calculated at year-end, or any applicable prior period adjustments. As a result, the totals will not tie to the administrative expenses displayed in the CAFR.

Chairperson Bures moved the Report of the Committee on Pension Laws and Administrative Rules to the Omnibus.

Chairperson Price Ward moved the Report of the Committee on Communications to the Omnibus.

Chairperson Reilly moved the Report of the Committee on Personnel to the Omnibus.

VOTE AGENDA**Approval to Post RFP for Outside Investment Legal Counsel, Approved**

Ms. Rebecca Gonzales, Interim Associate General Counsel, stated that the Fund's contract with the current provider of investment legal services is a five year term ending in February 2020. The Legal and Investment Departments recommend posting an RFP for Investment Legal Services that will potentially lead to an award to multiple firms. Ms. Gonzales addressed questions raised by the Board.

Motion to Approve Posting of RFP for Investment Legal Services, Approved

Ms. Reilly made a motion, seconded by Mr. Cavallero, to approve posting of an RFP for Investment Legal Services. The motion passed unanimously.

Motion to Approve Minutes of Regular Board Meeting on February 21, 2019, Approved

Ms. Reilly made a motion, seconded by Mr. Bures, to approve the minutes of the Regular Board Meeting on February 21, 2019. The motion passed by the following vote:

Ayes: Mr. Blackwell, Mr. Bures, Mr. Cavallero, Ms. Clay, Mr. Furlong, Mr. Redfeairn, Ms. Reilly, Ms. Rodriguez, Mr. Travlos, Ms. Price Ward, Ms. Ward – 10

Abstentions: Mr. Furlong – 1

Report of the Committee on Communications

Ms. Price Ward informed the Board that the House of Representatives honored and commemorated CTPF's election of Trustee Blackwell to the position of board president as the first African American male president. She stated that every February the Chair of the Illinois Legislative Black Caucus provides rank and file members with Black History Month facts that can be read on the floor during session. Ms. Price Ward stated that Ms. Bukola Bello, CTPF's Legislative lobbyist, advocated that the House should consider commemorating Trustee Blackwell as a living, breathing example of current Black history. She reported that Representative Evans was honored to read the biography provided. Ms. Price Ward stated that the information should be posted to CTPF's social media. Ms. Price Ward addressed questions raised by the Board.

Report of the Committee on Pension Laws & Administrative Rules

Mr. Charles A. Burbridge, Executive Director, provided a legislative update. He reported that there are several substantive bills that are currently being tracked throughout the General Assembly. He stated that those bills involve: broadcasting open meetings, workplace transparency, investment sustainability, sexual harassment, emerging investment managers, open meetings, and unclaimed property, to name a few.

Mr. Burbridge addressed questions raised by the Board.

Mr. Robert F. Bures, Committee Chairperson, informed the Board that he will confer with the Executive Director and the CTPF lobbyists to establish a Pension Law and Rules Committee meeting.

Motion to Approve the Omnibus, Approved

Ms. Reilly made a motion, seconded by Mr. Bures, to approve the omnibus.

The motion passed unanimously.

REPORT OF THE INVESTMENT TEAM

Callan Associates

4th Quarter Performance Report

Ms. Brianne Weymouth, of Callan Associates, and Ms. Angela Miller-May, CTPF Chief Investment Officer, reviewed the fourth quarter performance report ending December 31, 2018. They reported that the Fund was valued at \$9.8B at the end of the fourth quarter, representing a decrease of \$1.19B from September 30, 2018. They reported that investment losses of \$938.6M and negative net cash flow activity of \$251.2M decreased the Fund's assets over the period. They also reported that the Fund underperformed the Policy Target benchmark by 40 basis points, gross of fees, with a return of -8.68%, and underperformed the Policy Target benchmark by 46 basis points, net of fees, with a return of -8.74%, ranking in the top 79 percentile of peers. They each addressed questions raised by the Board.

MWDBE Private Equity

Ms. Miller-May stated that as a part of the 2019 Private Equity Pacing Study, staff and Callan proposed up to \$40M in new investment in CTPF's MWDBE Private Equity Portfolio. Ms. Miller-May reported that the RFP was widely publicized in January 2019 on the CTPF website, as well as in trade publications including *Pensions & Investments*, *MandateWire* and *FundFire*. She stated that the RFP generated extremely high quality submissions. She reported that staff conducted quantitative and qualitative reviews, including experience, performance record, leadership, business strength and operational stability, reference checks, strategy fit, deal sourcing capabilities and tracked record of execution. Ms. Miller-May stated AUA Private

Equity Partners, Estancia Capital Management, P4G Capital Management and PiPV Capital Partners were selected as finalists. Ms. Miller-May addressed questions raised by the Board.

MWDBE Private Equity RFP Finalists

Representatives from AUA Private Equity Partners, Estancia Capital Management, P4G Capital Management and PiPV Capital Partners presented to the Board. They reviewed organization, strategy, performance, firm diversity and fees. The managers addressed questions raised by the Board.
MWDBE Private Equity

Ms. Miller-May provided the Board with a re-cap of each finalist. She stated that all finalists will offer CTPF a unique and distinct opportunity. Staff recommended making four \$10M allocations.

Motion to Accept Staff Recommendation to Allocate \$10M to Each Finalist, Approved

Ms. Padilla made a motion, seconded by Ms. Reilly, to accept staff recommendation to allocate \$10M to AUA Private Equity Partners, Estancia Capital Management, P4G Capital Management and PiPV Capital Partners, subject to contract negotiations. The motion passed by the following roll call vote:

Ayes: Mr. Blackwell, Mr. Bures, Mr. Cavallero, Ms. Clay, Mr. Furlong, Ms. Padilla, Ms. Price Ward, Mr. Redfeairn, Ms. Reilly, Mr. Travlos, Ms. Ward – 11

Nays: Ms. Rodriguez – 1

Introduction of New BNY Melon Relations Manager

Ms. Miller-May introduced Mr. William Claxton, the new BNY Melon relations manager. Mr. Claxton gave a brief background about his professional experience and capabilities and addressed questions raised by the Board.

Motion to go into Executive Session, Approved

Ms. Price Ward made a motion, seconded by Mr. Redfeairn, to go into Executive Session for the purpose of discussing litigation, personnel, and internal control matters. The motion passed unanimously.

The Executive Session lasted from 1:28 p.m. to 4:19 p.m.

Motion to go into Open Session, Approved

Mr. Redfeairn made a motion, seconded by Ms. Padilla, to go into Open Session. The motion passed unanimously.

Mr. Bures, Mr. Furlong, and Ms. Ward left the meeting during Executive Session.

February 28, 2019, Finance and Audit Committee Meeting Report and Recommendations

FY 2018 CPS Agreed Upon Procedures (AUP) Remediation Plan, Status and FY 2019 CPS AUP Plan and Timeline

Ms. Mary Cavallaro, Deputy Executive Director and Ms. Alise White, Chief Financial Officer, presented and reviewed a timeline for the FY2019 CPS/CTPF Member Census Data Audit. Ms. Cavallaro and Ms. White reported that CTPF met with CPS to establish an Executive Memorandum of Understanding to establish timeliness and responsiveness guidelines for providing accurate data files to Baker Tilly. It was stated that CTPF staff will conduct a kick-off meeting with Baker Tilly and CPS to discuss the AUP engagement letter. Further it was stated that after Baker Tilly releases a report of their findings and vari-

ances, CTPF will establish a 30 day remediation plan. Ms. Cavallaro and Ms. White addressed questions raised by the Board.

Motion to Authorize Finance and Audit Committee to Execute the AUP Engagement Letter, Approved

Mr. Redfeairn made a motion, seconded by Ms. Padilla, to authorize attendees of the Finance and Audit Committee meeting to execute the AUP engagement letter. The motion passed unanimously.

Grant Thornton Charter School Pilot Audit Results

Ms. Cavallaro presented the results of the Grant Thornton Charter School Pilot Audit for period dates 1/1/2013 – 6/30/2016. Ms. Cavallaro reviewed the findings for the under-reported contributions, by school, and the over-reported contributions, by school. She stated that five schools under reported totaling \$305,255.00, and five schools over reported contributions totaling (\$59,012.00).

Report on Employer Delinquencies and Payroll Audit Adjustments

Mr. Roshan Muringothu, Operations Jr. Accountant, presented and reviewed the Monthly Aging Report for employer payroll delinquencies and payroll audit adjustments.

Recommendation Regarding Rowe Elementary Charter School Waiver Request

Ms. White presented the Rowe Elementary Charter School formal waiver request for the amount of \$31,430.40. The employer stated that they were unable to make timely submission due to the ERS Enhancement Launch. Although the employer had received training, the employer states additional time was needed to learn and understand how to submit payroll records. For this reason, pay period end Dates ranging from 7/4/18 – 9/12/18 were submitted in an untimely manner.

Rowe has historically submitted untimely payroll(s) during FY 2014- 2017. The employer has paid their historical penalties in full. The employer claimed that the new ERS was difficult to understand, but they did not contact CTPF for assistance with reporting at any point. Staff recommended denying waiver request and billing Rowe Elementary Charter School waiver request.

Motion to Accept Staff Recommendation to Deny Rowe Elementary Charter School Waiver Request, Approved

Mr. Redfeairn made a motion, seconded by Ms. Padilla, to accept staff's recommendation to deny waiver request. The motion passed unanimously.

Recommendation Regarding Cyber Security

Ms. White and Ms. Vandana Vohra, Chief Technology Officer, discussed the process and evaluation to procure cyber liability insurance through Mesirow Insurance Services Inc. ("Mesirow"). They reported that the evaluation team concurs with Mesirow's recommendation to purchase Beazley Insurance Company cyber liability insurance coverage, with a maximum aggregated limit of \$5,000,000, and \$500,000 affected individuals at an annual premium of \$42,000, which includes brokerage expenses, subject to terms and conditions. They addressed questions raised by the Board.

Motion to Accept Staff Recommendation to Purchase Cyber Liability Insurance, Approved

Mr. Redfeairn made a motion, seconded by Ms. Padilla, to accept staff's recommendation to purchase cyber liability insurance from Beazley Company at an annual premium of \$42,000. The motion passed by the following vote:

Ayes: Mr. Blackwell, Mr. Cavallero, Ms. Padilla, Ms. Price Ward, Mr. Redfeairn, Ms. Reilly, Mr. Travlos – 7

Nays: Ms. Clay, Ms. Rodriguez – 2

Recommendation Regarding Fiduciary Liability Insurance

Ms. White discussed the staff recommendation that CTPF retain broker fiduciary liability insurance for the Fund to cover Trustees, Administrators and staff by looking at three or more insurance plans and providers in order to make an ultimate insurance selection.

Motion to Accept Staff Recommendation Regarding Approval to Retain Fiduciary Liability Insurance, Approved

Mr. Redfeairn made a motion, seconded by Ms. Reilly, to accept staff's recommendation regarding approval to retain Fiduciary liability insurance. The motion passed by the following vote:

Ayes: Mr. Blackwell, Mr. Cavallero, Ms. Price Ward, Mr. Redfeairn, Ms. Reilly, Ms. Rodriguez, Mr. Travlos – 7

Nays: Ms. Clay, Ms. Padilla – 2

Recommendation Regarding Microsoft Dynamics Consulting Services RFP Award

Ms. White stated that Microsoft Dynamics SL ERP software is utilized by CTPF for financial Reporting. The current Microsoft Dynamics SL consulting and support is not able to meet CTPF requirements for training, customization and special configurations. Ms. White stated that an RFP was issued and Solomon Cloud Solutions, the incumbent vendor, and RSM responded to the RFP. She reviewed the Pros and Cons of each option. Ms. White recommended that the Microsoft Dynamics Consulting Services RFP award be given to RSM, subject to contract negotiations.

Motion to Accept Staff Recommendation to Award Microsoft Dynamics Consulting Services RFP to RSM Approved

Mr. Redfeairn made a motion, seconded by Ms. Reilly, to accept staff's recommendation to award the RFP to RSM at a blended rate of \$225 per hour, subject to contract negotiations. The motion passed by the following vote:

Ayes: Mr. Blackwell, Mr. Cavallero, Ms. Padilla, Ms. Price Ward, Mr. Redfeairn, Ms. Reilly, Mr. Travlos – 7

Abstentions: Ms. Clay, Ms. Rodriguez – 2

Report of the Return to Work Committee

Ms. Rodriguez, Chairperson of the Return to Work committee, recommended that the Board reverse the final administrative decision that was entered on October 29, 2018, with regards to Mr. Ronald Ragsdale, and determine that he did not exceed the Return to Work limitations.

Motion to Reverse Final Administrative Decision Regarding Mr. Ronald Ragsdale, Approved

Mr. Redfeairn made a motion, seconded by Ms. Reilly, to reverse the final administrative decision that was entered on October 29, 2018, with regards to Mr. Ronald Ragsdale, and determine that he did not exceed the Return to Work limitations. The motion passed unanimously.

Motion to Approve Disability Applicants, Approved

Ms. Rodriguez made a motion, seconded by Ms. Price Ward, to approve the non-duty applicant presented in Executive Session at the March 21, 2019, Board meeting. The motion passed unanimously.

REPORT OF THE COMMITTEE ON INVESTMENTS

Investment Committee Reports

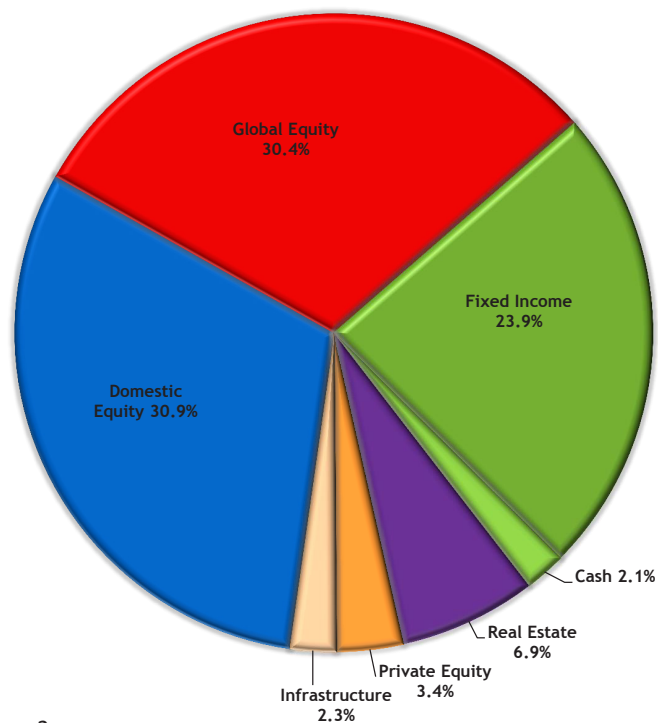
Chairperson Padilla recommended that the following investment reports be recorded in the proceedings of this meeting.

Chicago Teachers' Pension Fund
Asset Allocation Summary
(in millions of dollars)
Reporting for the Period ending January 31, 2019

	\$ Millions	% of Fund
Domestic Equity	\$ 3,171	30.9%
Global Equity	\$ 3,117	30.4%
Fixed Income	\$ 2,446	23.9%
Cash	\$ 217	2.1%
Real Estate	\$ 711	6.9%
Private Equity	\$ 345	3.4%
Infrastructure	\$ 240	2.3%
Grand Total	\$ 10,247	100.0%

	Allocation Actual	Policy Target	Difference	Allowable Range
Domestic Equity	30.9%	30.5%	0.45%	+/- 2
Global Equity	30.4%	30.5%	-0.08%	+/- 5
Fixed Income & Cash	26.0%	23.0%	2.99%	+/- 5
Real Estate	6.9%	9.0%	-2.06%	+/- 2
Private Equity	3.4%	5.0%	-1.63%	+/- 2
Infrastructure	2.3%	2.0%	0.34%	+/- 2
	100.0%	100.0%		

Asset Allocation



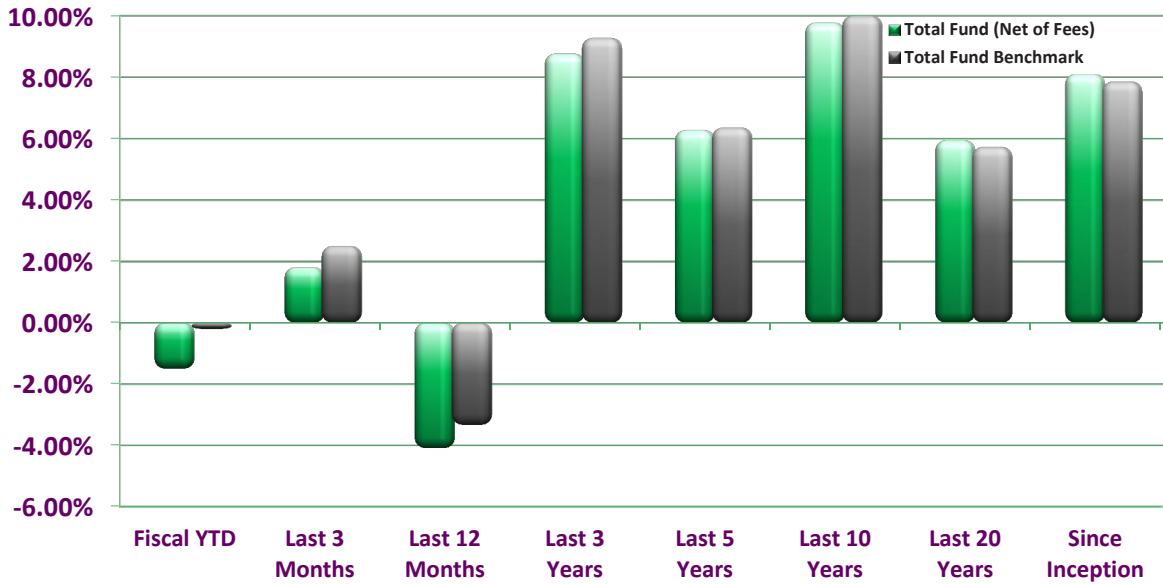
Note: Percentages may not add up due to rounding
This report is unaudited and intended for informational purposes only.

Chicago Teachers' Pension Fund

Total Fund Performance

Reporting for the Period ending January 31, 2019

	Fiscal YTD	Last 3 Months	Last 12 Months	Last 3 Years	Last 5 Years	Last 10 Years	Last 20 Years	Since Inception (January, 1991)
Total Fund (Net of Fees)	-1.50%	1.81%	-4.09%	8.77%	6.28%	9.78%	5.95%	8.11%
Total Fund Benchmark	-0.20%	2.50%	-3.33%	9.28%	6.36%	10.00%	5.73%	7.86%



The Total Fund Benchmark is comprised of a blend of benchmarks representing the current Asset Allocation.

Chicago Teachers' Pension Fund								
Investment Manager Performance Report								
Asset Class Summary - Gross								
Reporting for the Period ending January 31, 2019								
	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
DOMESTIC EQUITY								
Gross of Fees	-1.48%	0.55%	-2.83%	13.83%	9.97%	15.00%	10.14%	4/1990
Domestic Equity Benchmark	-0.32%	0.45%	-2.26%	14.19%	10.41%	15.14%	9.95%	
GLOBAL EQUITY								
Gross of Fees	-6.54%	2.12%	-13.70%	8.61%	3.65%	9.75%	6.90%	12/1995
Global Equity Benchmark	-4.81%	3.46%	-13.04%	9.47%	3.04%	8.31%	4.71%	
FIXED INCOME								
Gross of Fees	2.84%	3.69%	1.82%	2.77%	2.86%	4.65%	5.95%	1/1991
Fixed Income Benchmark	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	5.76%	
REAL ESTATE								
Gross of Fees	4.75%	1.83%	9.95%	8.63%	11.14%	5.94%	7.82%	1/2002
NFI-ODCE Value Weight Net	3.94%	1.52%	7.20%	7.22%	9.35%	6.59%	7.13%	
PRIVATE EQUITY								
Gross of Fees	6.59%	2.68%	13.47%	12.66%	13.47%	10.25%	9.18%	1/2002
INFRASTRUCTURE								
Gross of Fees	2.11%	1.86%	7.47%	10.22%	6.14%	6.88%	6.76%	11/2008
Infrastructure Benchmark	3.75%	6.25%	2.80%	6.02%	6.81%	7.40%	7.42%	

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund								
Investment Manager Performance Report								
Domestic Equity - Gross								
Reporting for the Period ending January 31, 2019								
	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
DOMESTIC EQUITY								4/1990
Gross of Fees	-1.48%	0.55%	-2.83%	13.83%	9.97%	15.00%	10.14%	
Domestic Equity Benchmark	-0.32%	0.45%	-2.26%	14.19%	10.41%	15.14%	9.95%	
NTGI 500 Index LCC								4/1990
Gross of Fees	0.03%	-0.30%	-2.90%	13.86%	10.85%	14.96%	9.67%	
S&P 500 Index	0.61%	0.26%	-2.31%	14.02%	10.96%	15.00%	9.75%	
Rhumblin Rsl 1000 LCC^M								6/2007
Gross of Fees	0.32%	0.51%	-2.19%	14.04%	10.58%	15.18%	7.38%	
Russell 1000 Index	0.33%	0.51%	-2.17%	14.14%	10.68%	15.17%	7.31%	
Rhumblin Rsl 1000 LCG^M								9/2017
Gross of Fees	0.10%	0.67%	0.34%	N/A	N/A	N/A	11.59%	
Russell 1000 Growth Index	0.08%	0.68%	0.24%	16.60%	12.97%	16.86%	11.62%	
Zevenbergen US ACE^M								10/1992
Gross of Fees	-5.18%	2.86%	5.43%	22.24%	11.57%	18.57%	11.35%	
Russell 3000 Growth Index	-0.54%	0.63%	0.03%	16.51%	12.57%	16.77%	9.06%	
Channing US ACE^{M2}								7/2009
Gross of Fees	-4.69%	3.37%	-8.60%	10.97%	7.23%	N/A	13.36%	
Russell 3000 Value Index	-0.11%	0.26%	-4.76%	11.79%	8.20%	13.39%	12.90%	

^M=Minority Manager

(Domestic Equity continued on next page)

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund								
Investment Manager Performance Report								
Domestic Equity - Gross								
Reporting for the Period ending January 31, 2019								
	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
DOMESTIC EQUITY								4/1990
BMO Global-Harris LCV³								7/1999
Gross of Fees	-1.42%	0.08%	-7.37%	12.10%	9.01%	13.73%	7.34%	
Harris Benchmark	0.57%	0.34%	-4.81%	11.62%	8.33%	13.39%	5.02%	
NTGI Structured SCC								1/1991
Gross of Fees	-6.79%	-0.07%	-2.38%	14.47%	8.25%	15.93%	12.03%	
Russell 2000 Index	-8.05%	-0.41%	-3.52%	14.71%	7.26%	14.52%	10.55%	
BMO Disciplined SCG								7/2018
Net of Fees	N/A	-0.51%	N/A	N/A	N/A	N/A	-9.20%	
Russell 2000 Growth Index	-7.78%	0.06%	-2.63%	15.55%	7.83%	15.68%	-9.34%	
Conestoga SCG								7/2018
Net of Fees	N/A	-1.11%	N/A	N/A	N/A	N/A	-6.97%	
Russell 2000 Growth Index	-7.78%	0.06%	-2.63%	15.55%	7.83%	15.68%	-9.34%	
Phocas SCV								7/2016
Gross of Fees	-10.70%	-1.33%	-9.01%	N/A	N/A	N/A	7.76%	
Russell 2000 Value Index	-8.32%	-0.90%	-4.51%	13.76%	6.62%	13.28%	10.51%	

²Channing US ACE* - As of October, 2011, Channing's mandate was changed from Mid Cap Value (Inception 6/2009) to All Cap Value.

Channing Benchmark reflects Russell Mid Cap Value Index through 9/30/11 and Russell 3000 Value Index thereafter.

³BMO's Benchmark reflects S&P 500 through 12/31/02 and Russell 1000 Value thereafter.

"=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010. Therefore, account Gross and Net Return inception dates may differ. Callan provided data 2010 to present.

Chicago Teachers' Pension Fund
Investment Manager Performance Report
Global Equity - Gross

Reporting for the Period ending January 31, 2019

	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
GLOBAL EQUITY								1/1996
Gross of Fees	-6.54%	2.12%	-13.70%	8.61%	3.65%	9.75%	6.90%	
Global Equity Benchmark	-4.81%	3.46%	-13.04%	9.47%	3.04%	8.31%	4.71%	
Ariel EAFE ILCV^M								7/2016
Gross of Fees	-1.17%	2.83%	-7.40%	N/A	N/A	N/A	5.73%	
MSCI EAFE	-5.53%	1.27%	-12.51%	7.74%	2.66%	8.11%	7.79%	
Earnest Partners EME^M								3/2013
Gross of Fees	1.28%	8.50%	-13.93%	14.79%	6.21%	N/A	N/A	
MSCI Emerging Markets Index	-0.23%	10.32%	-13.90%	15.32%	5.15%	10.03%	2.49%	
Earnest Partners ILCE^M								4/2007
Gross of Fees	-5.48%	1.96%	-12.87%	12.07%	4.81%	11.52%	5.28%	
MSCI ACWI ex US Index	-4.10%	3.66%	-12.58%	9.59%	3.11%	8.35%	1.87%	

^M=Minority Manager

(Global Equity continued on next page)

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund
Investment Manager Performance Report
Global Equity - Gross

Reporting for the Period ending January 31, 2019

	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
GLOBAL EQUITY								1/1996
Lazard ILCE⁴								1/2001
Gross of Fees	-3.82%	3.02%	-11.71%	7.25%	3.50%	9.27%	5.67%	
Lazard Benchmark	-4.10%	3.66%	-12.51%	9.59%	3.11%	8.35%	4.36%	
Morgan Stanley ILCE								4/1995
Gross of Fees	-7.10%	0.39%	-11.71%	6.45%	3.10%	8.38%	8.49%	
MSCI EAFE Index	-5.53%	1.27%	-12.51%	7.74%	2.66%	8.11%	4.73%	
Leading Edge IE MOM^M								4/2010
Gross of Fees	-5.56%	3.23%	-12.34%	10.39%	3.96%	N/A	5.52%	
MSCI ACWI ex US Index	-4.10%	3.66%	-12.58%	9.59%	3.11%	8.35%	4.01%	
DFA ISCV⁵								6/2012
Gross of Fees	-12.23%	-2.06%	-20.51%	7.31%	2.80%	N/A	9.69%	
MSCI ACWI ex US Small Cap	-9.83%	0.53%	-15.08%	9.56%	4.30%	11.62%	9.15%	

⁴Lazard ILCE Benchmark reflects the MSCI EAFE Index through 6/30/02 and MSCI ACWI ex-US Index thereafter.

⁵DFA transitioned from Domestic Small Cap mandate to International Small Cap mandate in May, 2012.

^M=Minority Manager

(Global Equity continued on next page)

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund
Investment Manager Performance Report
Global Equity - Gross

Reporting for the Period ending January 31, 2019

	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
GLOBAL EQUITY								1/1996
Strategic Global EAFE								7/2016
Gross of Fees	-4.62%	2.99%	-11.70%	N/A	N/A	N/A	7.88%	
MSCI EAFE Index	-5.53%	1.27%	-12.51%	7.74%	2.66%	8.11%	7.79%	
William Blair ILACG								2/2010
Gross of Fees	-9.39%	1.67%	-15.04%	7.82%	3.71%	N/A	7.42%	
MSCI ACWI ex US IMI Growth	-6.50%	3.98%	-12.99%	8.98%	4.21%	9.10%	5.71%	
William Blair ISCE⁶								4/2007
Gross of Fees	-13.61%	1.06%	-20.75%	5.43%	2.61%	12.66%	4.11%	
William Blair Custom Benchmark	-10.93%	2.31%	-16.18%	8.45%	4.25%	10.75%	2.30%	

⁶William Blair ISCE benchmark reflects MSCI World ex US SM Cap Index through 5/31/12 and MSCI ACWI ex US Sm Cap Growth Index thereafter.

^M=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010. Therefore, account Gross and Net Return inception dates may differ. Callan provided data 2010 to present.

Chicago Teachers' Pension Fund								
Investment Manager Performance Report								
Fixed Income - Gross								
Reporting for the Period ending January 31, 2019								
	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	01/31/19	01/31/19	01/31/19	01/31/19	01/31/19	01/31/19	Inception	Date
FIXED INCOME								1/1991
Gross of Fees	2.84%	3.69%	1.82%	2.77%	2.86%	4.65%	5.95%	
Fixed Income Benchmark	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	5.76%	
NTGI Govt/Credit Index FI								1/1994
Gross of Fees	2.66%	3.46%	1.86%	2.10%	2.44%	3.74%	5.14%	
Bloomberg Govt/Credit Bond	2.71%	3.55%	1.93%	2.11%	2.47%	3.74%	5.12%	
Garcia Hamilton FIC^M								10/2010
Gross of Fees	2.11%	2.72%	2.69%	2.37%	3.25%	N/A	3.86%	
Bloomberg Aggregate Index	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	2.65%	
LM Capital FICP^{M7}								11/2004
Gross of Fees	2.66%	3.34%	1.27%	2.46%	2.84%	3.97%	4.15%	
Bloomberg Aggregate Index	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	3.85%	

⁷LM Capital's mandate was changed from Core to Core Plus on 3/1/13.

^M=Minority Manager

(Fixed Income continued on next page)

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010. Therefore, account Gross and Net Return inception dates may differ. Callan provided data 2010 to present.

Chicago Teachers' Pension Fund
Investment Manager Performance Report
Fixed Income - Gross

Reporting for the Period ending January 31, 2019

	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
FIXED INCOME								1/1991
Pugh FIC^M								10/2010
Gross of Fees	2.63%	3.40%	1.27%	2.05%	2.59%	N/A	2.99%	
Bloomberg Aggregate Index	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	2.65%	
Taplin Canida FI								11/2004
Gross of Fees	2.57%	3.40%	1.91%	3.69%	2.97%	4.89%	4.00%	
Bloomberg Aggregate Index	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	3.85%	
WAMCO FICP								2/2003
Gross of Fees	3.74%	4.92%	1.68%	4.24%	3.76%	6.75%	5.21%	
Bloomberg Aggregate Index	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	3.94%	

^M=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund								
Investment Manager Performance Report								
Real Estate, Private Equity & Absolute Return - Gross								
Reporting for the Period ending January 31, 2019								
	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
REAL ESTATE								1/2002
Gross of Fees	4.75%	1.83%	9.95%	8.63%	11.14%	5.94%	7.82%	
NFI-ODCE Equal Weight Index ⁸	3.94%	1.52%	7.20%	7.22%	9.35%	6.59%	7.13%	
PRIVATE EQUITY								1/2002
Gross of Fees	6.59%	2.68%	13.47%	12.66%	13.47%	10.25%	9.18%	

⁸The NFI-ODCE returns are estimated from prior quarter until final results are published.

Returns for Real Estate, Private Equity and Infrastructure are reported on a quarter lag.

^M=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010. Therefore, account Gross and Net Return inception dates may differ. Callan provided data 2010 to present.

Chicago Teachers' Pension Fund
Investment Manager Performance Report
Infrastructure - Gross

Reporting for the Period ending January 31, 2019

	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
INFRASTRUCTURE								
Gross of Fees	2.11%	1.86%	7.47%	10.22%	6.14%	6.88%	6.76%	11/2008
Infrastructure Benchmark	3.75%	6.25%	2.80%	6.02%	6.81%	7.40%	7.42%	
Brookfield Infr-OE								
Gross of Fees	2.60%	1.30%	14.02%	N/A	N/A	N/A	16.71%	11/2016
Infrastructure Benchmark	3.75%	6.25%	2.80%	6.02%	6.81%	7.40%	5.37%	
JP Morgan Infr-OE								
Gross of Fees	1.02%	2.31%	7.37%	7.48%	5.47%	5.28%	5.19%	11/2008
Infrastructure Benchmark	3.75%	6.25%	2.80%	6.02%	6.81%	7.40%	7.41%	
Macquarie (MIP II) Infr								
Gross of Fees	3.00%	1.79%	7.07%	6.55%	3.92%	7.94%	7.57%	9/2008
Infrastructure Benchmark	3.75%	6.25%	2.80%	6.02%	6.81%	7.40%	7.42%	
Macquarie European Fd III Infr								
Gross of Fees	3.25%	1.21%	5.43%	18.44%	9.40%	9.45%	8.75%	10/2008
Infrastructure Benchmark	3.75%	6.25%	2.80%	6.02%	6.81%	7.40%	7.42%	

Returns for Real Estate, Private Equity and Infrastructure are reported on a quarter lag.

^M=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund
Investment Manager Performance Report
Manager of Manager Composite Performance - Gross

Reporting for the Period ending January 31, 2019

	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
MANAGER OF MANAGER COMPOSITE								
Attucks Asst Mgmt MOM^{M9}								12/2013
Gross of Fees	-3.09%	2.89%	-7.15%	10.67%	6.60%	N/A	6.26%	
Attucks Custom Benchmark	-1.74%	3.30%	-6.89%	10.95%	6.06%	N/A	5.43%	

⁹Attucks' mandate was changed from Domestic to Best in Class in December, 2013.

^M=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund
Investment Manager Performance Report
Asset Class Summary - Net

Reporting for the Period ending January 31, 2019

	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
DOMESTIC EQUITY								
Net of Fees	-1.56%	0.50%	-2.98%	13.65%	9.79%	14.79%	7.66%	1/2002
Domestic Equity Benchmark	-0.32%	0.45%	-2.26%	14.19%	10.41%	15.15%	7.77%	
GLOBAL EQUITY								
Net of Fees	-6.74%	2.00%	-14.03%	8.20%	3.27%	9.33%	6.96%	1/2002
Global Equity Benchmark	-4.81%	3.46%	-13.04%	9.47%	3.04%	8.31%	6.16%	
FIXED INCOME								
Net of Fees	2.79%	3.66%	1.72%	2.67%	2.76%	4.56%	4.57%	1/2002
Fixed Income Benchmark	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	4.29%	
REAL ESTATE								
Net of Fees	4.40%	1.76%	9.23%	7.92%	10.41%	5.35%	7.35%	1/2002
NFI-ODCE Equal Weight Index	3.94%	1.52%	7.20%	7.22%	9.35%	6.59%	7.13%	
PRIVATE EQUITY								
Net of Fees	6.45%	2.68%	13.21%	12.36%	13.25%	10.10%	9.08%	1/2002
INFRASTRUCTURE								
Net of Fees	1.98%	1.80%	7.19%	9.68%	5.59%	6.36%	6.25%	11/2008
Benchmark - Absolute			2.80%	6.02%	6.81%	7.40%	7.42%	

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund								
Investment Manager Performance Report								
Domestic Equity - Net								
Reporting for the Period ending January 31, 2019								
	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	01/31/19	01/31/19	01/31/19	01/31/19	01/31/19	01/31/19	01/31/19	
DOMESTIC EQUITY								
Net of Fees	-1.56%	0.50%	-2.98%	13.65%	9.79%	14.79%	7.66%	1/2002
Domestic Equity Benchmark	-0.32%	0.45%	-2.26%	14.19%	10.41%	15.15%	7.77%	
NTGI 500 Index LCC								
Net of Fees	0.03%	-0.30%	-2.91%	13.85%	10.84%	14.95%	9.66%	4/1990
S&P 500 Index	0.61%	0.26%	-2.31%	14.02%	10.96%	15.00%	9.75%	
Rhumblin Rsl 1000 LCC^M								
Net of Fees	0.31%	0.51%	-2.20%	14.03%	10.57%	15.16%	7.37%	6/2007
Russell 1000 Index	0.33%	0.51%	-2.17%	14.14%	10.68%	15.17%	7.31%	
Rhumblin Rsl 1000 LCG^M								
Gross of Fees	0.10%	0.67%	0.33%	N/A	N/A	N/A	11.59%	9/2017
Russell 1000 Growth Index	0.08%	0.68%	0.24%	16.60%	12.97%	16.86%	11.62%	
Zevenbergen US ACE^M								
Net of Fees	-5.38%	2.74%	5.01%	21.75%	11.12%	18.10%	10.91%	9/1992
Russell 3000 Growth Index	-0.54%	0.63%	0.03%	16.51%	12.57%	16.77%	9.06%	

^M=Minority Manager

(Domestic Equity continued on next page)

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund								
Investment Manager Performance Report								
Domestic Equity - Net								
Reporting for the Period ending January 31, 2019								
	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	01/31/19	01/31/19	01/31/19	01/31/19	01/31/19	01/31/19	01/31/19	
Channing US ACE^{M2}								
Net of Fees	-4.92%	3.23%	-9.04%	10.44%	6.72%	N/A	12.79%	6/2009
Russell 3000 Value Index	-0.11%	0.26%	-4.76%	11.79%	8.20%	15.17%	14.19%	
BMO Global-Harris LCV³								
Net of Fees	-1.53%	0.02%	-7.56%	11.85%	8.77%	13.46%	7.06%	7/1999
Harris Benchmark	0.57%	0.34%	-4.81%	11.62%	8.33%	13.39%	5.02%	
NTGI Structured SCC								
Net of Fees	-6.84%	-0.09%	-2.46%	14.38%	8.16%	15.86%	11.94%	1/1991
Russell 2000 Index	-8.05%	-0.41%	-3.52%	14.71%	7.26%	14.52%	10.55%	
BMO Disciplined SCG								
Net of Fees	N/A	-0.66%	N/A	N/A	N/A	N/A	-9.33%	7/2018
Russell 2000 Growth Index	-7.78%	0.06%	-2.63%	15.55%	7.83%	15.68%	-9.34%	
Conestoga SCG								
Net of Fees	N/A	-1.32%	N/A	N/A	N/A	N/A	-7.17%	7/2018
Russell 2000 Growth Index	-7.78%	0.06%	-2.63%	15.55%	7.83%	15.68%	-9.34%	
Phocas SCV								
Net of Fees	-11.11%	-1.55%	-9.79%	N/A	N/A	N/A	6.99%	7/2016
Russell 2000 Value Index	-8.32%	-0.90%	-4.51%	13.76%	6.62%	13.28%	10.51%	

²Channing US ACE* - As of October, 2011, Channing's mandate was changed from Mid Cap Value (Inception 6/2009) to All Cap Value.

Channing Benchmark reflects Russell Mid Cap Value Index through 9/30/11 and Russell 3000 Value Index thereafter.

³BMO's Benchmark reflects S&P 500 through 12/31/02 and Russell 1000 Value thereafter.

^M=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund								
Investment Manager Performance Report								
Global Equity - Net								
Reporting for the Period ending January 31, 2019								
	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
GLOBAL EQUITY								
Net of Fees	-6.74%	2.00%	-14.03%	8.20%	3.27%	9.33%	6.96%	1/2002
Global Equity Benchmark	-4.81%	3.46%	-13.04%	9.47%	3.04%	8.31%	6.16%	
Ariel EAFE ILCV^M								
								7/2016
Net of Fees	-1.52%	2.65%	-8.03%	N/A	N/A	N/A	5.10%	
MSCI EAFE	-5.53%	1.27%	-12.51%	7.74%	2.66%	8.11%	7.79%	
Earnest Partners EME^M								
								3/2013
Net of Fees	0.99%	8.34%	-14.40%	14.19%	5.66%	N/A	N/A	
MSCI Emerging Markets Index	-0.23%	10.32%	-13.90%	15.32%	5.15%	10.03%	2.49%	
Earnest Partners ILCE^M								
								4/2007
Net of Fees	-5.68%	1.85%	-13.23%	11.61%	4.39%	11.06%	4.79%	
MSCI ACWI ex US Index	-4.10%	3.66%	-12.58%	9.59%	3.11%	8.35%	1.87%	

^M=Minority Manager

(Global Equity continued on next page)

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010. Therefore, account Gross and Net Return inception dates may differ. Callan provided data 2010 to present.

Chicago Teachers' Pension Fund
Investment Manager Performance Report
Global Equity - Net

Reporting for the Period ending January 31, 2019

	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
Lazard ILCE⁴								1/2001
Net of Fees	-3.91%	2.97%	-12.53%	7.07%	3.32%	9.04%	5.32%	
Lazard Benchmark	-4.10%	3.66%	-12.58%	9.59%	3.11%	8.35%	4.36%	
Morgan Stanley ILCE								4/1995
Net of Fees	-7.30%	0.28%	-12.06%	6.02%	2.66%	7.92%	8.03%	
MSCI EAFE Index	-5.53%	1.27%	-12.51%	7.74%	2.66%	8.11%	4.73%	
Leading Edge IE MOM^M								4/2010
Net of Fees	-5.96%	3.01%	-13.06%	9.52%	3.15%	N/A	4.70%	
MSCI ACWI ex US Index	-4.10%	3.66%	-12.58%	9.59%	3.11%	8.35%	4.01%	
DFA ISCV⁵								6/2012
Net of Fees	-12.23%	-2.06%	-20.51%	7.31%	2.80%	N/A	9.67%	
MSCI ACWI ex US Small Cap	-9.83%	0.53%	-15.08%	9.56%	4.30%	11.62%	9.15%	

⁴Lazard ILCE Benchmark reflects the MSCI EAFE Index through 6/30/02 and MSCI ACWI ex-US Index thereafter.

⁵DFA transitioned from Domestic Small Cap mandate to International Small Cap mandate in May, 2012.

^M=Minority Manager

(Global Equity continued on next page)

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund								
Investment Manager Performance Report								
Global Equity - Net								
Reporting for the Period ending January 31, 2019								
	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
Strategic Global EAFE								
Net of Fees	-4.87%	2.85%	-12.15%	N/A	N/A	N/A	7.42%	7/2016
MSCI EAFE Index	-5.53%	1.27%	-12.51%	7.74%	2.66%	8.11%	7.79%	
William Blair ILACG								
Net of Fees	-9.56%	1.57%	-15.34%	7.44%	3.34%	N/A	7.03%	2/2010
MSCI ACWI ex US IMI Growth	-6.50%	3.98%	-12.99%	8.98%	4.21%	9.10%	5.71%	
William Blair ISCE⁶								
Gross of Fees	-14.00%	0.81%	-21.44%	4.54%	1.75%	11.71%	3.12%	4/2007
William Blair Custom Benchmark	-10.93%	2.31%	-16.18%	8.45%	4.25%	10.75%	2.30%	

⁶William Blair ISCE benchmark reflects MSCI World ex US SM Cap Index through 5/31/12 and MSCI ACWI ex US Sm Cap Growth Index thereafter.

^M=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010. Therefore, account Gross and Net Return inception dates may differ. Callan provided data 2010 to present.

Chicago Teachers' Pension Fund
Investment Manager Performance Report
Fixed Income - Net

Reporting for the Period ending January 31, 2019

	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
FIXED INCOME								1/2002
Net of Fees	2.79%	3.66%	1.72%	2.67%	2.76%	4.56%	4.57%	
Fixed Income Benchmark	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	4.29%	
NTGI Govt/Credit Index FI								1/1994
Net of Fees	2.65%	3.46%	1.85%	2.09%	2.43%	3.73%	5.13%	
Bloomberg Govt/Credit Bond	2.71%	3.55%	1.93%	2.11%	2.47%	3.74%	5.12%	
Garcia Hamilton FIC^M								10/2010
Net of Fees	2.04%	2.68%	2.55%	2.20%	3.07%	N/A	3.68%	
Bloomberg Aggregate Index	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	2.65%	
LM Capital FICP^{M7}								11/2004
Gross of Fees	2.58%	3.30%	1.11%	2.30%	2.68%	3.80%	3.96%	
Bloomberg Aggregate Index	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	3.85%	

⁷LM Capital's mandate was changed from Core to Core Plus on 3/1/13.

^M=Minority Manager

(Fixed Income continued on next page)

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund								
Investment Manager Performance Report								
Fixed Income - Net								
Reporting for the Period ending January 31, 2019								
	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
Pugh FIC^M								10/2010
Net of Fees	2.56%	3.36%	1.76%	1.90%	2.44%	N/A	2.82%	
Bloomberg Aggregate Index	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	2.65%	
Taplin Canida FI								11/2004
Net of Fees	2.50%	3.16%	1.60%	3.55%	2.82%	4.73%	3.83%	
Bloomberg Aggregate Index	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	3.85%	
WAMCO FICP								2/2003
Net of Fees	3.65%	4.87%	1.51%	4.06%	3.57%	6.57%	5.03%	
Bloomberg Aggregate Index	2.73%	3.53%	2.25%	1.95%	2.44%	3.68%	3.94%	

^M=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010. Therefore, account Gross and Net Return inception dates may differ. Callan provided data 2010 to present.

Chicago Teachers' Pension Fund
Investment Manager Performance Report
Real Estate, Private Equity & Absolute Return - Net

Reporting for the Period ending January 31, 2019

	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
REAL ESTATE								1/2002
Net of Fees	4.40%	1.76%	9.23%	7.92%	10.41%	5.35%	7.35%	
NFI-ODCE Equal Weight Index ⁷	3.94%	1.52%	7.20%	7.22%	9.35%	6.59%	7.13%	
PRIVATE EQUITY								1/2002
Net of Fees	6.45%	2.68%	13.21%	12.36%	13.25%	10.10%	9.08%	

⁸The NFI-ODCE returns are estimated from prior quarter until final results are published.

Returns for Real Estate, Private Equity and Infrastructure are reported on a quarter lag.

^M=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010. Therefore, account Gross and Net Return inception dates may differ. Callan provided data 2010 to present.

Chicago Teachers' Pension Fund								
Investment Manager Performance Report								
Infrastructure - Net								
Reporting for the Period ending January 31, 2019								
	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception Date
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
INFRASTRUCTURE								11/2008
Net of Fees	1.98%	1.80%	7.19%	9.68%	5.59%	6.36%	6.25%	
Benchmark - Absolute	3.75%	6.25%	2.80%	6.02%	6.81%	7.40%	7.42%	
Brookfield Infr-OE								11/2016
Gross of Fees	2.60%	1.30%	12.72%	N/A	N/A	N/A	12.09%	
Benchmark - Absolute	3.75%	6.25%	2.80%	6.02%	6.81%	7.40%	5.37%	
JP Morgan Infr-OE								11/2008
Net of Fees	2.08%	0.57%	6.65%	6.50%	4.42%	4.28%	4.21%	
Benchmark - Absolute	6.25%	3.75%	2.80%	6.02%	6.81%	7.40%	7.41%	
Macquarie (MIP II) Infr								9/2008
Net of Fees	3.10%	1.83%	7.28%	6.62%	3.94%	7.95%	7.58%	
Benchmark - Absolute	3.75%	6.25%	2.80%	6.02%	6.81%	7.40%	7.42%	
Macquarie European Fd III Infr								10/2008
Net of Fees	3.48%	1.28%	5.79%	18.54%	9.40%	9.45%	8.75%	
Benchmark - Absolute	3.75%	6.25%	2.80%	6.02%	6.81%	7.40%	7.42%	

^M=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund
Investment Manager Performance Report
Manager of Manager Composite Performance - Net
Reporting for the Period ending January 31, 2019

	Fiscal YTD Ending	3 Months Ending	12 Months Ending	3 Years Ending	5 Years Ending	10 Years Ending	Since Inception	Inception
	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>01/31/19</u>	<u>Inception</u>	<u>Date</u>
MANAGER OF MANAGER COMPOSITE								
Attucks Asst Mgmt MOM ^{M9}								12/2013
Gross of Fees	-3.38%	2.73%	-7.70%	10.02%	5.99%	N/A	5.68%	
Attucks Custom Benchmark	-1.74%	3.30%	-6.89%	10.95%	6.06%	N/A	5.43%	

⁹Attucks' mandate was changed from Domestic to Best in Class in December, 2013.

^M=Minority Manager

Mercer provided Gross Return data 1990-2010 and Net Return data 2002-2010.
Therefore, account Gross and Net Return inception dates may differ. Callan
provided data 2010 to present.

Chicago Teachers' Pension Fund Watch List Summary Reporting for the Period ending January 31, 2019							
<u>Manager</u>	<u>Current AUM (in millions)</u>	<u>Board Actions</u>	<u>Reason</u>	<u>Date Watch Started</u>	<u># Months on Watch</u>	<u>Last Due Diligence Meeting</u>	<u>Notes</u>
Channing	\$135.0	January, 2018: Placed on Watch List and Monitor	Organizational Changes	January, 2018	13	February, 2019	AUM when placed on Watch List was \$150.2. Channing was placed on Watch List due to organizational changes.
Ariel EAFE	\$ 74.3	May, 2018: Placed on Watch List and Monitor	Compliance	May, 2018	8	October, 2018	AUM when place on Watch List was \$78.0211.1. Ariel EAFE was placed on Watch List due to qualitative concerns.

Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

Ethnicity	% Asset	%		Market Value		Difference	
	Class	Fund		(in millions)		(mth-to-mth)	
				01/31/19	12/31/2018	\$	%
Domestic Equity							
Woman	1%	0%	Attucks-Matarin SCC	21.1	19.0	2.1	10%
Majority	1%	0%	BMO SCG	35.9	32.0	3.9	11%
Majority	1%	0%	Conestoga SCG	37.5	34.9	2.7	7%
Majority	5%	2%	NTGI Structured SCC	166.8	150.7	16.1	10%
Asian American	4%	1%	Phocas SCV	119.5	107.4	12.1	10%
	12%	4%	Subtotal - U.S. Small Capitalization Equity	380.8	344.0	36.9	10%
African American	4%	1%	Channing US ACE	135.0	118.7	16.3	12%
Woman	5%	2%	Zevenbergen US ACE	169.9	144.8	25.1	15%
	10%	3%	Subtotal - U.S. All Capitalization Equity	304.9	263.5	41.3	14%
African American	0%	0%	Attucks-Paradigm LCV	10.2	20.9	-10.7	-105%
African American	0%	0%	Attucks-StoneRidge LCC	0.0	20.9	-20.8	-80123%
African American	1%	0%	Attucks-StoneRidge Lcchq	20.4	0.0	20.4	100%
Majority	9%	3%	BMO Global-Harris LCV	300.6	278.7	21.9	7%
Majority	4%	1%	NTGI 500 Index LCC	130.9	150.3	-19.3	-15%
Woman	53%	16%	Rhumbline Rsl1000 LCC	1666.5	1541.5	124.9	7%
Woman	10%	3%	Rhumbline RSL1000 LCG	326.9	300.4	26.5	8%
			Rhumbline TOTAL	1993.4	1841.9		
Majority	0%	0%	Ivy Investments (Waddell & Reed) LCC	0.0	0.0	0.0	N/A
	77%	24%	Subtotal - U.S. Large Capitalization Equity	2455.5	2312.7	142.8	6%

Source of Market Value data is the CTPF Custodian.

This report is unaudited and intended for informational purposes only.

Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

<u>Ethnicity</u>	<u>% Asset</u>	<u>% Fund</u>	<u>Market Value</u> (in millions)		<u>Difference</u> (mth-to-mth)	
			<u>01/31/19</u>	<u>12/31/2018</u>	<u>\$</u>	<u>%</u>

(Domestic Equity continued on next page)

<u>Miscellaneous</u>							
African American	0%	0%	Attucks-Cash Acct LCE	0.0	0.0	0.0	0%
	1%	0%	Attucks -Transition	<u>29.7</u>	<u>0.0</u>	<u>29.6</u>	<u>N/A</u>
	0%	0%	Subtotal - Miscellaneous	<u>29.7</u>	<u>0.0</u>	29.6	N/A
	100%	31%	Total Domestic Equity	3170.9	2920.3	250.6	8%

<u>Domestic Equity Totals</u>	<u>Class</u>	<u># of Accts</u>	<u>Market Value</u>
African American	6.2%	5	195.3
Asian or Pacific Islander	3.8%	1	119.5
Hispanic or Latino	0.0%	0	0.0
Woman	68.9%	4	2184.3
Disabled	0.0%	0	0.0
Multiple	0.0%	0	0.0
American Indian or Alaska Native	0.0%	0	0.0
Majority	<u>21.2%</u>	<u>4</u>	<u>671.8</u>
Asset Class Total	100.0%	14	\$3,170.9

Source of Market Value data is the CTPF Custodian.
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Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

Ethnicity	% Asset	%		Market Value		Difference	
	Class	Fund		(in millions)		(mth-to-mth)	
				01/31/19	12/31/2018	\$	%
Global Equity							
African American	1%	0%	Attucks-Brown Cap ISCG	20.8	25.7	-4.9	-23%
Majority	5%	1%	DFA ISCV	149.2	145.0	4.3	3%
Majority	6%	2%	William Blair ISCE	173.3	159.3	14.0	8%
	11%	3%	Subtotal - Global Small Cap Equity	343.3	330.0	13.3	4%
African American	2%	1%	Ariel EAFE ILCV	74.3	69.8	4.6	6%
Woman	1%	0%	Attucks-GlobeFlex Global	21.0	20.8	0.2	1%
African American	18%	5%	Earnest Partners ILCE	561.3	522.7	38.7	7%
Majority	18%	6%	Lazard Asset Mgt ILCE	564.3	528.9	35.4	6%
Latino	1%	0%	LEIA-Ativo IE	20.6	19.2	1.4	7%
African American	1%	0%	LEIA-Brown IE	18.8	17.6	1.3	7%
Asian American	0%	0%	LEIA-Cash Acct IE	0.0	0.0	0.0	0%
African American	0%	0%	LEIA-Channing IE	14.9	13.7	1.1	8%
American Indian	1%	0%	LEIA Denali IE	20.5	19.2	1.3	6%
Asian American	1%	0%	LEIA-Foresight IE	18.8	17.5	1.3	7%
Woman	1%	0%	LEIA GlobeFlex IE	23.3	21.3	1.9	8%
Asian American	0%	0%	LEIA-John Hsu IEG	0.0	0.0	0.0	0%
Majority	18%	5%	Morgan Stanley ILCE	559.5	532.6	26.9	5%

(Global Equity continued on next page)

Source of Market Value data is the CTPF Custodian.

This report is unaudited and intended for informational purposes only.

Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

Ethnicity	% Asset Class	% Fund		Market Value (in millions)		Difference (mth-to-mth)	
				01/31/19	12/31/2018	\$	%
Woman	2%	1%	Strategic Global EAFE	73.5	68.0	5.5	7%
Majority	18%	5%	William Blair ILACG	<u>563.5</u>	<u>525.2</u>	<u>38.3</u>	<u>7%</u>
	81%	25%	Subtotal - Global Large Cap Equity	2534.3	2376.4	157.9	6%
Latino	1%	0%	Attucks-Ativo EME	17.7	17.4	0.2	1%
Latino	1%	0%	Attucks-GloVista EME	18.2	18.1	0.1	1%
Woman	1%	0%	Att Redwood IACC	20.7	20.7	0.0	0%
African American	6%	2%	Earnest Partners EME	176.2	161.8	14.4	8%
African American	0%	0%	LEIA-Metis EME	<u>6.5</u>	<u>5.9</u>	<u>0.6</u>	<u>9%</u>
	8%	2%	Subtotal - Emerging Managers	239.2	223.9	15.3	6%
	100%	30%	Total Global Equity	3116.8	2930.3	186.6	6%
Global Equity Totals				Class	# of Accts	Market Value	
African American				28.0%	6	872.8	
Asian or Pacific Islander				0.6%	3	18.8	
Hispanic or Latino				1.8%	3	56.5	
Woman				4.4%	4	138.4	
Disabled				0.0%	0	0.0	
Multiple				0.0%	0	0.0	
American Indian or Alaska Native				0.7%	1	20.5	
Majority				<u>64.5%</u>	<u>5</u>	<u>2009.9</u>	
Asset Class Total				100.0%	22	\$3,116.8	

Source of Market Value data is the CTPF Custodian.
This report is unaudited and intended for informational purposes only.

Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

<u>Ethnicity</u>	% Asset	%		Market Value (in millions)		Difference (mth-to-mth)		
	<u>Class</u>	<u>Fund</u>		<u>01/31/19</u>	<u>12/31/2018</u>	<u>\$</u>	<u>%</u>	
			<u>Fixed Income</u>					
	Latino	1%	0%	Attucks-LM Capital EMD	13.8	13.6	0.2	2%
	Latino	1%	0%	Attucks-Ramirez FIC	18.2	18.1	0.1	1%
	Latino	9%	2%	Garcia Hamilton FIC	227.7	225.7	1.9	1%
	Latino	8%	2%	LM Capital FICP	201.5	198.4	3.1	2%
	Majority	35%	9%	NTGI Govt/Credit Index FI	923.5	914.8	8.7	1%
	Woman	8%	2%	Pugh FIC	221.4	219.6	1.8	1%
	Majority	8%	2%	Taplin Canida FI	222.5	220.1	2.4	1%
	Majority	22%	6%	WAMCO FICP	<u>598.1</u>	<u>588.2</u>	<u>9.9</u>	<u>9%</u>
		91%	24%	Subtotal - US Fixed Income	2426.8	2398.5	28.3	1%
	Woman	1%	0%	Attucks-New Century GT	<u>19.0</u>	<u>19.8</u>	<u>-0.8</u>	<u>-4%</u>
		1%	0%	Subtotal - Non US Fixed Income	19.0	19.8	-0.8	-4%
		92%	24%	Total Fixed Income	2445.8	2418.3	27.5	1%
				<u>Cash</u>				
		8%	2%	Cash	215.4	216.2	-0.8	0%
		0%	0%	Miscellaneous	<u>2.1</u>	<u>2.1</u>	<u>0.0</u>	<u>-1%</u>
		8%	2%	Subtotal - Cash	217.5	218.3	-0.9	0%
		100%	26%	Total - Fixed Income & Cash	2663.3	2636.6	26.6	1%

(Fixed Income continued on next page)

<u>Fixed Income Totals</u>	<u>Class</u>	<u># of Accts</u>	<u>Market Value</u>
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Source of Market Value data is the CTPF Custodian.

This report is unaudited and intended for informational purposes only.

Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

<u>Ethnicity</u>	<u>% Asset</u> <u>Class</u>	<u>%</u> <u>Fund</u>	Market Value (in millions)		Difference (mth-to-mth)	
			<u>01/31/19</u>	<u>12/31/2018</u>	<u>\$</u>	<u>%</u>
African American		0.0%	0	0.0		
Asian or Pacific Islander		0.0%	0	0.0		
Hispanic or Latino		17.3%	4	461.3		
Woman		9.0%	2	240.4		
Disabled		0.0%	0	0.0		
Multiple		0.0%	0	0.0		
American Indian or Alaska Native		0.0%	0	0.0		
Majority		<u>65.5%</u>	<u>3</u>	<u>1744.2</u>		
Asset Class Total		91.8%	9	\$2,445.8		
Cash, Miscellaneous, Other		<u>8.2%</u>		<u>217.46</u>		
Grand Total		100.0%		\$2,663.3		

Real Estate

African American	2%	0%	BIG RE Fd I	11.2	8.5	2.7	0%
Majority	4%	0%	BREDS HG LP	25.6	18.5	7.1	0%
African American	0%	0%	Capri Select Fd II PRE	0.1	0.1	0.0	0%
Majority	8%	1%	Clarion Lion Industrial	57.4	55.2	2.2	4%
Multiple	1%	0%	EMREFF PRE FOF	9.7	10.7	-1.0	-11%
Majority	0%	0%	Europa Fd III PRE	1.4	1.4	0.0	0%

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Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

				Market Value		Difference	
				(in millions)		(mth-to-mth)	
Ethnicity	% Asset Class	% Fund		01/31/19	12/31/2018	\$	%
(Real Estate continued on next page)							
Majority	0%	0%	Fortress Japan Fd I PRE	2.1	4.3	-2.2	-103%
Majority	1%	0%	Fortress Japan Fd II PRE	<u>3.7</u>	<u>4.6</u>	-0.8	-22%
			Fortress Japan TOTAL		5.9	8.8	-3.0
Majority	0%	0%	Fremont Realty II PRE	0.0	0.0	0.0	0%
Asian American	0%	0%	Green Oak US III	2.8	2.8	0.0	0%
Latino	0%	0%	Hudson Realty Fd V PRE	0.0	0.0	0.0	0%
Asian American	0%	0%	IC Berkeley III PRE	1.1	1.1	0.0	0%
Majority	22%	2%	JP Morgan Strat PRE-OE	157.9	158.3	-0.4	0%
Majority	15%	1%	LaSalle Property PRE-OE	109.1	107.6	1.5	1%
Asian American	0%	0%	Longpoint RE FD I	2.0	0.0	2.0	100%
Majority	0%	0%	ML Asian RE Fd PRE	0.4	0.4	0.0	0%
Latino	1%	0%	Oak Street RE Cap Fund IV	8.1	6.2	1.9	23%
Latino	2%	0%	Southwest MF Ptrs PRE	12.0	12.0	0.0	0%
Disabled	0%	0%	DV Urban Realty I PRE	0.0	0.0	0.0	0%
Disabled	4%	0%	Newport Cap Fund II	<u>25.9</u>	<u>25.6</u>	0.3	1%
			Newport TOTAL		26.0	25.6	0.3
Majority	0%	1%	PRISA Fd I PRE-OE	146.5	146.5	0.0	0%
Majority	3%	0%	PRISA Fd II PRE-OE	<u>23.3</u>	<u>23.0</u>	0.3	1%
			Prudential (Open-end) TOTAL		169.7	169.5	0.3
Majority	12%	1%	UBS TPF PRE-OE		88.5	111.4	-23.0
Majority	0%	0%	Walton Strt Fd III PRE	0.1	0.1	0.0	3%
Majority	0%	0%	Walton Strt Fd IV PRE	0.3	0.3	0.0	0%

(Real Estate continued on next page)

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Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

Ethnicity	% Asset Class	% Fund		Market Value (in millions)		Difference (mth-to-mth)	
				01/31/19	12/31/2018	\$	%
Majority	1%	0%	Walton Strt Fd V PRE	6.0	7.9	-2.0	-33%
Majority	1%	0%	Walton Strt Fd VI PRE	10.5	10.5	0.0	0%
Majority	1%	0%	Walton Strt Mexico Fd 1 PRE	5.1	5.1	0.0	0%
			Walton Street TOTAL	22.0	24.0	-2.0	-9%
	100%	7%	Total Real Estate	710.9	722.3	-11.4	-2%

<u>Real Estate Totals</u>	<u>Class</u>	<u># of Accts</u>	<u>Market Value</u>
African American	1.6%	2	11.2
Asian or Pacific Islander	0.8%	3	6.0
Hispanic or Latino	2.8%	3	20.1
Woman	0.0%	0	0.0
Disabled	3.7%	2	26.0
Multiple	1.4%	1	9.7
American Indian or Alaska Native	0.0%	0	0.0
Majority	89.7%	17	637.9
Asset Class Total	100.00%	28	\$710.9

Alternative Investments

<u>Private Equity</u>							
Majority	49%	2%	Adams Strt Many Fd PE	168.8	168.0	0.9	1%
African American	1%	0%	Astra Partners I	1.9	0.0	1.9	100%
<i>(Private Equity continued on next page)</i>							
Majority	0%	0%	EQT Fd VIII	0.2	0.2	0.0	13%
African American	0%	0%	Farol FD II	1.0	1.0	0.0	0%

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Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

				Market Value		Difference		
				(in millions)		(mth-to-mth)		
Ethnicity	% Asset Class	% Fund		01/31/19	12/31/2018	\$	%	
	Majority	0%	0%	Harbourvest Ptrs VI Buyout Fund PE	0.1	0.4	-0.4	-398%
	Majority	0%	0%	Harbourvest Ptrs VI PE	0.4	0.4	0.0	0%
	Majority	4%	0%	Harbourvest Ptrs VII PE	13.4	13.4	0.0	0%
	Majority	2%	0%	Harbourvest Ptrs VIII PE	6.3	6.7	-0.4	-6%
	Majority	2%	0%	Harbourvest Ptrs X PE	7.0	7.1	-0.1	-2%
	Majority	2%	0%	Harbourvest Ptrs X PE	<u>5.4</u>	<u>5.5</u>	-0.1	-2%
				Harbourvest TOTAL	32.6	33.6	-1.0	-3%
	Latino	1%	0%	Hispania Fd II PE	2.7	2.7	0.0	0%
	African American	0%	0%	ICV Capital Ptrs II PE	0.2	0.2	0.0	0%
	African American	3%	0%	ICV Capital Ptrs III PE	10.9	10.8	0.1	1%
	African American	1%	0%	ICV Capital Ptrs IV	<u>2.5</u>	<u>2.3</u>	0.2	9%
				ICV TOTAL	13.5	13.2	0.3	2%
	Majority	2%	0%	KKR Americas Fd XII	8.6	9.0	-0.4	-5%
	Majority	1%	0%	Mesirow Fd I PE	1.9	1.9	0.0	0%
	Majority	2%	0%	Mesirow Fd II PE	7.0	7.0	0.0	0%
	Majority	3%	0%	Mesirow Fd IV PE	9.7	9.7	0.0	0%
	Majority	5%	0%	Mesirow Fd V PE	16.5	16.5	0.0	0%
	Majority	1%	0%	Mesirow Fd VII A PE	2.4	2.5	-0.1	-3%
	Majority	1%	0%	Mesirow Fd VII B PE	2.8	2.6	0.2	7%
	Majority	0%	0%	Mesirow Fd IX PE	0.6	0.6	0.0	0%
	Majority	3%	0%	Mesirow Fd X PE	<u>10.2</u>	<u>10.2</u>	0.0	0%
				Mesirow TOTAL	51.2	51.1	0.1	0%

(Private Equity continued on next page)

Source of Market Value data is the CTPF Custodian.

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Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

			Market Value		Difference		
	% Asset	%	(in millions)		(mth-to-mth)		
Ethnicity	Class	Fund	01/31/19	12/31/2018	\$	%	
African American	1%	0%	Muller M2 MPEFF PE FOF	2.3	2.3	0.0	0%
Latino	0%	0%	NMS Capital Fd III	1.1	1.1	0.0	0%
Latino	0%	0%	Palladium Ptrs III PE	0.7	0.7	0.0	0%
Latino	2%	0%	Palladium Ptrs IV PE	7.6	7.6	0.0	0%
Latino	1%	0%	Palladium Ptrs V PE	3.4	3.4	0.0	-1%
			Palladium TOTAL	11.7	11.7	0.0	0%
Majority	0%	0%	Pantheon Europe Fd II PE	0.1	0.1	0.0	0%
Majority	0%	0%	Pantheon USA Fd III PE	0.3	0.3	0.0	-4%
Majority	0%	0%	Pantheon USA Fd IV PE	0.4	0.4	0.0	0%
Majority	1%	0%	Pantheon Asia Fd V PE	2.2	2.2	0.0	0%
Majority	1%	0%	Pantheon Europe Fd VI PE	3.8	4.0	-0.1	-4%
Majority	4%	0%	Pantheon Global Fund 2014	12.6	11.4	1.2	9%
Majority	0%	0%	Pantheon Select Access	1.2	1.2	0.0	0%
			Pantheon TOTAL	20.7	19.6	1.0	5%
African American	1%	0%	Pharos Fd II PE	4.6	4.6	0.0	0%
African American	4%	0%	Pharos Fd III PE	14.1	14.1	0.0	0%
			Pharos TOTAL	18.7	18.7	0.0	0%
African American	1%	0%	RLJ Equity Fd II PE	3.6	0.9	2.6	74%
African American	0%	0%	Syncom Ptrs V PE	0.9	1.4	-0.5	-59%
Woman	2%	0%	Turning Rock FD I	5.5	5.5	0.1	1%
	100%	3%	Total Private Equity	345.0	340.0	5.0	1%

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Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

<u>Ethnicity</u>	<u>% Asset</u>	<u>%</u>	<u>Market Value</u> (in millions)		<u>Difference</u> (mth-to-mth)		
	<u>Class</u>	<u>Fund</u>	<u>01/31/19</u>	<u>12/31/2018</u>	<u>\$</u>	<u>%</u>	
Private Equity Totals							
		<u>Class</u>	<u># of Accts</u>	<u>Market Value</u>			
African American		12.1%	10	41.9			
Asian or Pacific Islander		0.0%	0	0.0			
Hispanic or Latino		4.5%	5	15.5			
Woman		1.6%	1	5.5			
Disabled		0.0%	0	0.0			
Multiple		0.0%	0	0.0			
American Indian or Alaska Native		0.0%	0	0.0			
Majority		<u>81.8%</u>	<u>63</u>	<u>282.1</u>			
Asset Class Total		100.00%	79	\$345.0			
Infrastructure							
Majority	14%	0%	Brookfield Infr Fd III	33.6	30.6	3.1	0.1
Majority	39%	1%	JP Morgan Infr-OE	94.0	94.0	0.0	0.0
Majority	12%	0%	Macquarie (MEIF III) Infr	29.6	29.5	0.1	0.0
Majority	34%	1%	Macquarie (MIP II) Infr	<u>82.8</u>	<u>82.8</u>	0.0	0.0
			Macquaire TOTAL	<u>112.4</u>	<u>112.3</u>	<u>0.1</u>	<u>0.0</u>
	100%	2%	Total - Infrastructure	240.0	236.8	3.2	1%

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Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

<u>Ethnicity</u>	% Asset	%	Market Value		Difference	
	<u>Class</u>	<u>Fund</u>	(in millions)		(mth-to-mth)	
			<u>01/31/19</u>	<u>12/31/2018</u>	<u>\$</u>	<u>%</u>
<u>Infrastructure Totals</u>						
	<u>Class</u>		<u># of Accts</u>	<u>Market Value</u>		
African American	0.0%		0	0.0		
Asian or Pacific Islander	0.0%		0	0.0		
Hispanic or Latino	0.0%		0	0.0		
Woman	0.0%		0	0.0		
Disabled	0.0%		0	0.0		
Multiple	0.0%		0	0.0		
American Indian or Alaska Native	0.0%		0	0.0		
Majority	<u>100.0%</u>		<u>4</u>	<u>240.0</u>		
Asset Class Total	100.0%		4	\$240.0		

Grand Total Fund	10,246.9	9,786.3	460.7	5%
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Chicago Teachers' Pension Fund
Market Values & Diversity by Manager
(in millions of dollars)
Reporting for the Period ending January 31, 2019

Ethnicity	% Asset Class	% Fund		Market Value (in millions)		Difference (mth-to-mth)	
				01/31/19	12/31/2018	\$	%
Fund Totals			Class	# of Accts	Market Value		
African American		10.9%		23	1121.2		
Asian or Pacific Islander		1.4%		7	144.3		
Hispanic or Latino		5.4%		15	553.3		
Woman		25.1%		11	2568.6		
Disabled		0.3%		2	26.0		
Multiple		0.1%		1	9.7		
American Indian or Alaska Native		0.2%		1	20.5		
Majority		<u>54.5%</u>		<u>96</u>	<u>5585.9</u>		
Asset Class Total		97.9%		156	\$10,029.5		
Cash, Miscellaneous, Other		<u>2.1%</u>			<u>217.46</u>		
Grand Total		100.0%			\$10,246.9		

Total Fund MWDBE Assets	\$4,443.6	MWDBE Assets as % of Total Fund	43%
MWDBE Active	\$2,450.2	MWDBE Assets as % of Active Assets	35%

Total Fund	\$10,246.9	Passive Assets as % of Total Fund	32%
Total Fund Active	\$6,981.6	Active Assets as % of Total Fund	68%

Note: Percentages may not add up due to rounding

Source of Market Value data is the CTPF Custodian.

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Chicago Teachers' Pension Fund							
Manager of Managers Summary Sheet - Market Values & Diversity by Manager							
(in millions of dollars)							
Reporting for the Period ending January 31, 2019							
Ethnicity	% Asset	% Fund		Market Value		Difference	
				(in millions)		(mth-to-mth)	
	<u>Class</u>	<u>Fund</u>		<u>01/31/19</u>	<u>12/31/2018</u>	<u>\$</u>	<u>%</u>
<u>ATTUCKS</u>							
Latino	1%	0%	Attucks-Ativo EME	17.7	17.4	0.2	1.3%
African American	1%	0%	Attucks-Brown Cap ISCG	20.8	25.7	-4.9	-23.4%
African American	0%	0%	Attucks-Cash Acct LCE	0.0	0.0	0.0	0.0%
Woman	1%	0%	Attucks-GlobeFlex Global	21.0	20.8	0.2	1.0%
Latino	1%	0%	Attucks-GloVista EME	18.2	18.1	0.1	0.8%
Latino	1%	0%	Attucks-LM Capital EMD	13.8	13.6	0.2	1.8%
Woman	1%	0%	Attucks-New Century GT	19.0	19.8	-0.8	-3.9%
African American	0%	0%	Attucks-Paradigm LCV	10.2	20.9	-10.7	-105.1%
Latino	1%	0%	Attucks-Ramirez FIC	18.2	18.1	0.1	0.8%
Woman	1%	0%	Att Redwood IACC	20.7	20.7	0.0	0.1%
African American	0%	0%	Attucks-StoneRidge LCC	0.0	20.9	-20.8	8.2%
African American	1%	0%	Attucks-StoneRidge LCChq	20.4	0.0	20.4	8.7%
Woman	1%	0%	Attucks-Matarin SCC	21.1	19.0	2.1	9.8%
African American	1%	0%	Attucks -Transition	<u>29.7</u>	<u>0.0</u>	<u>29.6</u>	N/A
Subtotal Attucks				230.7	214.8	15.9	6.9%

Source of Market Value data is the CTPF Custodian.
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(Investment Summary Report)

Chicago Teachers' Pension Fund							
Manager of Managers Summary Sheet - Market Values & Diversity by Manager							
(in millions of dollars)							
Reporting for the Period ending January 31, 2019							
Ethnicity	% Asset	%	Market Value		Difference		
	<u>Class</u>	<u>Fund</u>	(in millions)		(mth-to-mth)		
			<u>01/31/19</u>	<u>12/31/2018</u>	<u>\$</u>	<u>%</u>	
<u>LEADING EDGE</u>							
Latino	1%	0%	LEIA-Ativo IE	20.6	19.2	1.4	7.0%
African American	1%	0%	LEIA-Brown IE	18.8	17.6	1.3	6.8%
Asian American	0%	0%	LEIA-Cash Acct IE	0.0	0.0	0.0	0.0%
African American	0%	0%	LEIA-Channing IE	14.9	13.7	1.1	7.6%
American Indian	1%	0%	LEIA-Denali IE	20.5	19.2	1.3	6.1%
Asian American	1%	0%	LEIA-Foresight IE	18.8	17.5	1.3	6.7%
Woman	1%	0%	LEIA-GlobeFlex IE	23.3	21.3	1.9	8.2%
Asian American	0%	0%	LEIA-John Hsu IEG	0.0	0.0	0.0	0.0%
African American	0%	0%	LEIA-Metis EME	<u>6.5</u>	<u>5.9</u>	<u>0.6</u>	<u>8.7%</u>
			Subtotal	123.3	114.5	8.8	7.2%
TOTAL - Manager of Managers Program				354.0	329.3	24.7	7.0%

Source of Market Value data is the CTPF Custodian.

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Chicago Teachers' Pension Fund					
Current MWDBE Allocation vs. Target MWDBE Allocation					
(in millions of dollars)					
Reporting for the Period ending January 31, 2019					
	Market Value	Total Class Assets	Current MWDBE Asset Class Allocation	Target MWDBE Asset Class Allocation	Allocation Difference
Total Fund Assets	\$ 4,443.6	\$ 10,246.9	43%	20%	23%
Total Active Assets	\$ 2,450.2	\$ 6,981.6	35%	25%	10%
Total MWDBE Equity	\$ 3,606.1	\$ 6,287.7	57%	30%	27%
Total Minority Equity	\$ 1,283.4	\$ 6,287.7	20%	25%	-5%
Total Woman Equity	\$ 2,322.7	\$ 6,287.7	37%	5%	32%
Total Disabled Equity	\$ -	\$ 6,287.7	0%	0%	0%
Total MWDBE Fixed Income	\$ 701.6	\$ 2,663.3	26%	15%	11%
Total Minority Fixed Income	\$ 461.3	\$ 2,663.3	17%	12%	5%
Total Woman Fixed Income	\$ 240.4	\$ 2,663.3	9%	3%	6%
Total Disabled Fixed Income	\$ -	\$ 2,663.3	0%	0%	0%
Total MWDBE Alternatives	\$ 137.7	\$ 1,295.9	11%	10%	1%
Total Minority Alternatives	\$ 106.2	\$ 1,295.9	8%	10%	-2%
Total Woman Alternatives	\$ 5.5	\$ 1,295.9	0%	0%	0%
Total Disabled Alternatives	\$ 26.0	\$ 1,295.9	2%	0%	2%

Note: Percentages may not add up due to rounding

Chicago Teachers' Pension Fund Illinois Based Investment Managers (in millions of dollars) Reporting for the Period ending January 31, 2019				
	Market Value (Current Month)	Year End 2017	Year End 2016	Year End 2015
Adams Strt Many Fd PE	\$168.8	\$142.9	\$124.4	\$112.2
Ariel SCV ^M	\$1.9	0.0	0.0	122.3
Ariel EAFE ILCV ^M	74.3	79.3	70.0	0.0
Attucks Asset Mgmt DE MOM ^M	230.7	244.4	205.2	159.0
Ativo EME ^{1M}	see below	see below	see below	see below
BMO Global-Harris LCV	300.6	321.2	270.8	285.7
BMO Disciplined SCG	39.7	0.0	0.0	0.0
Capri Select Fd II PRE ^M	0.1	0.1	0.1	0.1
Channing US ACE ^M	135.0	145.1	135.1	122.7
Hispania Capital Partners ^M	2.7	3.7	4.5	7.7
Holland LCG ^M	0.0	0.0	251.6	248.0
LaSalle PRE	109.1	105.0	100.1	96.2
Leading Edge IE MOM ^M	n/a	n/a	n/a	n/a
Ativo IE ^{2M}	20.6	22.8	18.5	23.0
Channing IE ^M	14.9	0.0	0.0	0.0
Mesirow	51.2	52.1	74.1	79.6
Muller & Monroe Asset Management ^M	2.3	2.7	12.1	12.9
Newport Capital Fund II	25.9	19.3	12.0	0.0

¹ Ativo EME is a sub-advisor in the Attucks Asset Management Manager-of-Manager program. Attucks and the sub-advisor are located in Chicago. Therefore Ativo's assets are reported as part of Attucks' Total Market Value.

² Ativo IE and Martin LCC are IL based sub-advisors in a Manager-of-Managers program where the Manager-of-Manager is not IL based. Therefore, the sub-advisors' Market Values are reported separate from the Manager-of-Managers.

^M=Minority Manager

Note: Percentages may not add up due to rounding

Chicago Teachers' Pension Fund Illinois Based Investment Managers (in millions of dollars) Reporting for the Period ending January 31, 2019				
	Market Value (Current Month)	Year End 2017	Year End 2016	Year End 2015
Northern Trust Corporation	1,221.3	1,468.9	1,932.4	1,960.8
Pluscios Mgmt HFOF ^M	0.0	0.0	19.5	29.6
Progress Invest DE MOM ^M	n/a	n/a	n/a	n/a
Martin LCC ^{2M}	0.0	0.0	0.0	26.5
TCB Broadway ^M	0.0	0.0	0.0	0.0
TCB DV Urban PRE ^M	0.0	1.2	3.0	2.8
Walton Street Capital	22.0	25.0	34.2	40.8
William Blair & Company	736.8	855.0	666.3	699.4
Total	\$3,158.0	\$3,488.6	\$3,933.9	\$4,029.2
IL Managed Assets as % of Total Fund	31%	32%	40%	41%
IL Minority Managed Assets as % of Total Fund	4%	4%	7%	8%

¹ Ativo EME is a sub-advisor in the Attucks Asset Management Manager-of-Manager program. Attucks and the sub-advisor are located in Chicago. Therefore Ativo's assets are reported as part of Attucks' Total Market Value.

² Ativo IE and Martin LCC are IL based sub-advisors in a Manager-of-Managers program where the Manager-of-Manager is not IL based. Therefore, the sub-advisors' Market Values are reported separate from the Manager-of-Managers.

^M=Minority Manager

Note: Percentages may not add up due to rounding

Chairperson Padilla moved the Report of the Committee on Investments to the Omnibus.

Motion to Move Report of the Committee on Investments to the Omnibus, Approved

Ms. Padilla made a motion, seconded by Ms. Reilly, to move the Report of the Committee on Investments to the Omnibus.

The motion passed unanimously.

Conference Requests

Ms. Price Ward and Ms. Reilly requested approval to attend the Trustee Leadership Forum for Retirement Security National in June 2019, in Cambridge, MA.

Ms. Padilla and Ms. Clay requested approval to attend the NCPERS Trustee Educational Seminar in May 2019, in Austin, TX.

Ms. Clay and Ms. Padilla requested approval to attend the NASP Conference in June 2019, in Baltimore, MD.

Mr. Blackwell requested approval to attend Bernstein Litowitz Berger & Grossman, Protecting Shareholders Rights Conference in April 2019, in New Orleans, LA.

Mr. Bures requested approval to attend Institutional Investor Private Equity Summit and Public Funds Roundtable in April 2019, in Los Angeles, CA.

Motion to Approve Trustee Travel, Approved

Mr. Redfeairn made a motion, seconded by Ms. Price Ward, to approve Trustee travel as listed above. The motion passed by the following vote:

Ayes: Mr. Blackwell, Mr. Cavallero, Ms. Clay, Ms. Padilla, Ms. Price Ward, Mr. Redfeairn, Ms. Reilly, Mr. Travlos – 8

Abstentions: Ms. Rodriguez – 1

Board Training

Ms. Rebecca Gonzales, Interim General Counsel, covered Board Training on Procurement. Ms. Gonzales addressed questions raised by the Board.

Motion to Accept the March 13, 2019, Claims and Service Credits Committee Meeting Report, Approved

Ms. Rodriguez made a motion, seconded by Ms. Padilla, to accept the March 13, 2019, Claims and Service Credits Committee Meeting report. The motion passed unanimously.

Motion to go into Executive Session, Approved

Ms. Rodriguez made a motion, seconded by Ms. Padilla, to go into Executive Session for the purpose of discussing personnel and internal control matters. The motion passed unanimously.

The Executive Session lasted from 5:25 p.m. to 6:48 p.m.

Motion to go into Open Session, Approved

Ms. Rodriguez made a motion, seconded by Ms. Padilla, to go into Open Session. The motion passed unanimously.

MEETING ADJOURNED

The meeting adjourned at 6:48 p.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jacqueline Price Ward", written in a cursive style.

Jacqueline Price Ward
Recording Secretary

PROCEEDINGS
OF THE
Board of Trustees
OF THE
**Public School Teachers' Pension and
Retirement Fund of Chicago**

Executive Session – Official Report
Thursday, March 21, 2019

An Executive Session of the Board of Trustees of the Public School Teachers' Pension and Retirement Fund of Chicago was held Thursday, March 21, 2019.

The President, Mr. Jeffery Blackwell, called the meeting to order at 1:28 p.m.

ROLL CALL

Members present: Mr. Jeffery Blackwell, Mr. Robert F. Bures, Mr. James Cavallero, Ms. Gervaise Clay, Mr. Mark Furlong, Ms. Tina Padilla, Mr. Gregory Redfeairn, Ms. Mary Sharon Reilly, Ms. Maria J. Rodriguez, Mr. Jerry Travlos, Ms. Jacquelyn Price Ward, Ms. Gail D. Ward – 12

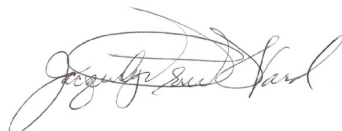
Also in attendance for portions of the Executive Session (with Mr. Burns attending in its entirety) were Mr. Charles A. Burbridge (*Executive Director*), Ms. Mary Cavallaro (*Deputy Executive Director*), Mr. Daniel J. Hurtado (*Interim Chief Legal Officer*), Ms. Adriane McCoy (*Internal Audit Director*), and Mr. Joseph Burns of Jacobs, Burns, Orlove and Hernandez (*Board Counsel*).

Discussion ensued regarding litigation/return to work matters, personnel matters, internal control matters, and disability pensions. No action was taken.

Mr. Bures, Mr. Furlong, and Ms. Ward left the meeting during Executive Session.

There being no further business, the Executive Session adjourned at 4:19 p.m.

Respectfully submitted,



Jacqueline Price Ward
Recording Secretary

PROCEEDINGS
OF THE
Board of Trustees
OF THE
**Public School Teachers' Pension and
Retirement Fund of Chicago**

Exectutive Session – Official Report
Thursday, March 21, 2019

An Executive Session of the Board of Trustees of the Public School Teachers' Pension and Retirement Fund of Chicago was held Thursday, March 21, 2019.

The President, Mr. Jeffery Blackwell, called the meeting to order at 5:25 p.m.

ROLL CALL

Members present: Mr. Jeffery Blackwell, Mr. James Cavallero, Ms. Gervaise Clay, Ms. Tina Padilla, Mr. Gregory Redfeairn, Ms. Mary Sharon Reilly, Ms. Maria J. Rodriguez, Mr. Jerry Travlos, Ms. Price Ward – 9

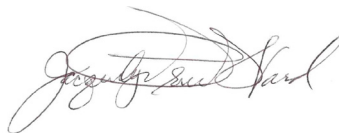
Members absent: Mr. Robert F. Bures, Mr. Mark Furlong, Ms. Gail D. Ward – 3

Also in attendance for portions of the Executive Session Ms. Adriane McCoy (*Internal Audit Director*) and Mr. Joseph Burns of Jacobs, Burns, Orlove and Hernandez (*Board Counsel*).

Discussion ensued regarding personnel matters and internal control matters. No action was taken.

There being no further business, the Executive Session adjourned at 6:48 p.m.

Respectfully submitted,



Jacqueline Price Ward
Recording Secretary



Chicago Teachers' Pension Fund

POLICY COMMITTEE REPORT

Date: January 14, 2019

Submitted by: Mr. Jeffery Blackwell,
Chairperson

Meeting Time: 4:31 p.m. — 6:25 p.m.

ATTENDEES

Trustees	Staff	Consultants
Mr. Jeffery Blackwell, Chairperson	Ms. Mary Cavallaro, Deputy Executive Director	Mr. Charles Burns, Board Counsel
Ms. Tina Padilla (via telephone)	Mr. John Schomberg, Chief Legal Officer	
Ms. Mary Sharon Reilly (in part)	Ms. Adriane McCoy, Internal Audit Director	
Ms. Maria J. Rodriguez	Ms. Rosemary Ihejirika, Chief Benefits Officer	
	Ms. Vandana Vohra, Chief Technology Officer	
	Mr. Daniel J. Hurtado, Associate General Counsel	

AGENDA ITEMS

- CTPF Policy Review

COMMITTEE REVIEW

Mr. John Schomberg, Chief Legal Officer, and Mr. Charles Burns, Board Counsel, discussed with the Committee the following proposed rules and policies:

- Election Policy—Amended
- Record Retention Policy and Schedule
- CTPF Actuarial Valuation Policy
- CTPF Employee Handbook—Amended
- Travel and Expense Policy for Trustees and Fund Staff—Amended
- Fund Mobile Device and Telecommuting—Amended

DISCUSSIONS/RECOMMENDATIONS

The Committee, counsel, and staff discussed proposed amendments to the Election Policy. In addition to the other proposed amendments, the Committee discussed having the Election Committee's term run until a new Election Committee is appointed, and to empower the Election Committee to make recommendations to the Board regarding the Election process. Counsel will work on draft language in these areas for consideration by the Board. Chairperson Blackwell recommended further discussion at the January 17, 2019 Board Meeting.

The Committee, counsel, and staff discussed the proposed Record Retention Policy and Schedule, and the CTPF Actuarial Valuation Policy, with no proposed changes for the Board's consideration beyond the non-substantive matters flagged by counsel, and changing the retention period for Internal Auditor policies to "permanently" in the Record Retention Schedule.

The Committee, counsel, and staff discussed proposed amendments to the CTPF Employee Handbook to: meet the retaliation-prohibition requirements of the amended Illinois Human Rights Act; to reinforce whistleblower protections; and to provide instruction on fraud-reporting and on seeking guidance regarding the propriety or legality of conduct or treatment. Two versions of the anti-retaliation language were considered; one more detailed than the other. Both the Chief Legal Officer and Board Counsel recommended the more detailed retaliation language. The Chief Legal Officer also stated that he would re-order the sections as they appear in the Handbook, for the Board's consideration.

The Committee discussed changes to the Travel Expense Policy for Trustees and Fund Staff and the Fund Mobile Device and Telecommuting Policy to address recent State law changes, and to make explicit that the use of personal cell phones for Fund business is at the discretion of the trustee or employee (*i.e.*, is not required by the Fund) and will not be reimbursed, and to update the contact information for Information Technology employees.

The meeting adjourned at 6:25 p.m.



Chicago Teachers' Pension Fund

TECHNOLOGY COMMITTEE REPORT**Date:** January 24, 2019**Submitted by:** Trustee Redfeairn,
Chairperson**Meeting Time:** 2:03 p.m.—4:29 p.m.**ATTENDEES**

Trustees	Staff
Trustee Gregory Redfeairn, Chairperson	Mr. Charles Burbridge, Executive Director
President Jeffrey Blackwell	Ms. Mary Cavallaro, Deputy Executive Director
Trustee Jacquelyn Price Ward	Ms. Vandana Vohra, Chief Technology Officer
Trustee Mary Sharon Reilly	Mr. John Schomberg, Chief Legal Officer
Trustee Maria J. Rodriguez	Ms. Adriane McCoy, Internal Audit Director
	Ms. Rosemary Ihejirika, Chief Benefit Officer

AGENDA

1. Technology Committee Charter Review
2. Security Information and Event Management Solution RFP Finalists Presentations and Selection
 - Nettitude
 - Rapid7
3. Status Updates- Technology Projects

DISCUSSIONS/ACTIONS

Ms. Vandana Vohra, Chief Technical Officer, presented and reviewed the Technology Committee Charter. Ms. Vohra stated that the Technology Committee ("Committee") was commissioned to provide enterprise technology oversight. The Committee will provide strategic direction and guidance to the Board of Trustees ("Board") and Fund staff. Effective alignment regarding strategic priorities will lead to improved alignment of information technology and business activities that will increase the value of technology to the Fund. She stated that the purpose of the Technology Committee is a forum for discussion of organization-wide technology concepts and directions, established and maintained with an enterprise perspective. Ms. Vohra discussed the objectives and the governance of the Technology Committee Charter. She stated that the Committee shall meet at least four times a year and will be conducted in accordance with the Open meetings Act ("OMA"), the Fund's Bylaws, Rules, and other applicable laws. Ms. Vohra addressed questions raised by the Board.

Motion to Make Recommendation to Board to Adopt the Technology Committee Charter, Approved



Chicago Teachers' Pension Fund

TECHNOLOGY COMMITTEE REPORT**Date:** January 24, 2019**Submitted by:** Trustee Redfeairn,
Chairperson**Meeting Time:** 2:03 p.m.—4:29 p.m.**ATTENDEES**

Trustees	Staff
Trustee Gregory Redfeairn, Chairperson	Mr. Charles Burbridge, Executive Director
President Jeffrey Blackwell	Ms. Mary Cavallaro, Deputy Executive Director
Trustee Jacquelyn Price Ward	Ms. Vandana Vohra, Chief Technology Officer
Trustee Mary Sharon Reilly	Mr. John Schomberg, Chief Legal Officer
Trustee Maria J. Rodriguez	Ms. Adriane McCoy, Internal Audit Director
	Ms. Rosemary Ihejirika, Chief Benefit Officer

AGENDA

1. Technology Committee Charter Review
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Motion to Make Recommendation to Board to Adopt the Technology Committee Charter, Approved



Chicago Teachers' Pension Fund

TECHNOLOGY COMMITTEE REPORT**Date:** January 24, 2019**Submitted by:** Trustee Redfeairn,
Chairperson**Meeting Time:** 2:03 p.m.—4:29 p.m.**ATTENDEES**

Trustees	Staff
Trustee Gregory Redfeairn, Chairperson	Mr. Charles Burbridge, Executive Director
President Jeffrey Blackwell	Ms. Mary Cavallaro, Deputy Executive Director
Trustee Jacquelyn Price Ward	Ms. Vandana Vohra, Chief Technology Officer
Trustee Mary Sharon Reilly	Mr. John Schomberg, Chief Legal Officer
Trustee Maria J. Rodriguez	Ms. Adriane McCoy, Internal Audit Director
	Ms. Rosemary Ihejirika, Chief Benefit Officer

AGENDA

1. Technology Committee Charter Review
2. Security Information and Event Management Solution RFP Finalists Presentations and Selection
 - Nettitude
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3. Status Updates- Technology Projects

DISCUSSIONS/ACTIONS

Ms. Vandana Vohra, Chief Technical Officer, presented and reviewed the Technology Committee Charter. Ms. Vohra stated that the Technology Committee ("Committee") was commissioned to provide enterprise technology oversight. The Committee will provide strategic direction and guidance to the Board of Trustees ("Board") and Fund staff. Effective alignment regarding strategic priorities will lead to improved alignment of information technology and business activities that will increase the value of technology to the Fund. She stated that the purpose of the Technology Committee is a forum for discussion of organization-wide technology concepts and directions, established and maintained with an enterprise perspective. Ms. Vohra discussed the objectives and the governance of the Technology Committee Charter. She stated that the Committee shall meet at least four times a year and will be conducted in accordance with the Open meetings Act ("OMA"), the Fund's Bylaws, Rules, and other applicable laws. Ms. Vohra addressed questions raised by the Board.

Motion to Make Recommendation to Board to Adopt the Technology Committee Charter, Approved



Chicago Teachers' Pension Fund



CLAIMS AND SERVICE CREDITS COMMITTEE REPORT

Date: March 13, 2019

Submitted by: Ms. Maria J. Rodriguez,
Chairperson

Meeting Time: 4:31 p.m.—6:03 p.m.

ATTENDEES

Trustees Present	Staff Present
Ms. Maria J. Rodriguez, Chairperson	Ms. Mary Cavallaro, Deputy Executive Director
Mr. Jeffery Blackwell (arrived at 5:03 p.m.)	Mr. Daniel J. Hurtado, Interim Chief Legal Officer
Ms. Mary Sharon Reilly (arrived at 5:04 p.m.)	Ms. Adriane McCoy, Internal Audit Director
	Ms. Rosemary K. Ihejirika, Chief Benefits Officer
	Mr. Edgar Samayoa, Process Improvement & Analysis Manager
	Ms. Ketki Shah, Compliance Manager

AGENDA ITEMS

1. Overpayment Report
2. Preliminary Pension Audit Report
3. Member Services Calls Report
4. Unfinished Business
 - Brief Update Regarding Applicability of 2.2 Upgrades Based on Reciprocal Service for Reciprocal and Non-Reciprocal Retirees

DISCUSSIONS

Chairperson Rodriguez stated for the record “I did see Mr. Blackwell, I did see Ms. Reilly present, but they weren’t here for roll call, I don’t know maybe there’s a meeting other than this one. I don’t know maybe there was a meeting before the meeting and I wasn’t invited I don’t know.”

Overpayment Report

Ms. Rosemary Ihejirika, Chief Benefits Officer, reviewed the report of pension overpayments. Ms. Ihejirika reported that the overpayment report has four separate tabs, comprised of ongoing overpayments, overpayments due to death, overpayment due to clean-up efforts, and overpayments due to exceeding Return to Work limitations. She stated there was no significant change in the overpayment report. She noted that the largest overpayments have been referred to Board counsel for

possible legal action to attempt recovery. At the request of Chairperson Rodriguez, the “ongoing” tab title will be changed to “existing”. Ms. Ihejirika addressed questions raised by the Committee.

Preliminary Pension Audit Report

Ms. Ihejirika reviewed the Pension Audits Monthly Trend Analysis for January 2018 to February 2019. Ms. Ihejirika reviewed Outstanding Pension Audits as of February 2019. Ms. Ihejirika addressed questions raised by the Committee.

Chairperson Rodriguez requested specific titles with description on all reports including page numbers.

Chairperson Rodriguez questioned what explains a delay and if CTPF tracks when a request is sent to Chicago Public Schools (CPS) for corrected data.

Chairperson Rodriguez inquired as to how many hands an application goes through when received by the Fund and if there were actions that could be taken by the Board to assist in the process. Ms. Ihejirika described the movement of the calculation request from intake at Member Services, to calculation in Pensions, and auditing in Compliance.

Ms. Ihejirika stated that delays in processing are usually due to absence of data or bad data. She stated that CTPF receives data from the Employer, and referred to the reports of preliminary audits which are indicative of cases delayed by bad data. Discussion ensued regarding the causes of delays in finalizing a pension.

Chairperson Rodriguez inquired as to what could be done to address the problem. Attorney Joe Burns speculated on the options and explained the action undertaken with the data sharing arrangements in the first memorandum of understanding (“MOU”) with Charter schools and the current undertaking to create an MOU with CPS.

Chairperson Rodriguez stated that on February 26th the Board requested that a letter be sent to CPS and asked if the letter had been sent. Ms. Cavallaro explained that the letter was drafted but had not been sent due to a meeting having been held with CPS during which an agreement had been reached with CPS in regards to providing the data for the AUP. Ms. Cavallaro stated that CTPF and CPS have reached an overall agreement on the AUP and that Mr. Dan Hurtado is writing up the points of the agreement in the MOU. Ms. Cavallaro explained that the audits and data review are a work in progress. Discussion ensued regarding the memorandum of understanding that was to be sent to the CPS.

Capturing Member Services Calls Report

Ms. Ihejirika reviewed the Member Services Calls report. Chairperson Rodriguez requested that acronyms not be used in the report and that the report list how many days were actual work days. Ms. Ihejirika addressed questions raised by the Committee.

Executive Session

Motion to go into Executive Session

Ms. Rodriguez made a motion, seconded by Mr. Blackwell, to go into Executive Session for the purpose of discussing litigation matters. The motion passed unanimously.

The executive session lasted from 5:54 p.m. to 6:01 p.m.

Motion to go into Open Session

Ms. Rodriguez made a motion, seconded by Ms. Reilly, to go into open session. The motion passed unanimously.

Ms. Ihejirika informed the Committee that the Claims and Service Credits Committee meeting scheduled for May 8, 2019 will not be rescheduled as previously stated. Ms. Ihejirika stated that the Charter School training has been rescheduled to June.

Chairperson Rodriguez requested that CTPF webinars not be scheduled on Committee meeting dates to allow Trustees to participate.

The meeting adjourned at 6:03 p.m.

March 13

2019

PROCEEDINGS
OF THE
Board of Trustees
OF THE
**Public School Teachers' Pension and
Retirement Fund of Chicago**

Executive Session - Official Report

Wednesday, March 13, 2019

An Executive Session of the Claims and Services Credits Committee of the Board of Trustees of the Public School Teachers' Pension and Retirement Fund of Chicago was held Wednesday, March 13, 2019.

Chairperson, Ms. Maria J. Rodriguez called the meeting to order at 5:54 p.m.

ROLL CALL

Members present: Mr. Jeffery Blackwell, Ms. Mary Sharon Reilly, Ms. Maria J. Rodriguez—3.

Members absent: Mr. Robert F. Bures, Mr. James Cavallero, Ms. Gervaise Clay, Mr. Mark F. Furlong, Ms. Tina Padilla, Mr. Gregory Redfeairn, Mr. Jerry Travlos, Ms. Jacqueline Price Ward, Ms. Gail Ward—9.

Also in attendance, were Ms. Mary Cavallaro (*Deputy Executive Director*), Mr. Daniel J. Hurtado (*Interim Chief Legal Officer*), Ms. Adriane McCoy (*Internal Audit Director*), Ms. Rosemary Ihejirika, (*Chief Benefits Officer*), Mr. Edgar Samayoa, (*Process Improvement & Analysis Manager*), and Mr. Joseph Burns (*Board Counsel*) of Jacobs, Burns, Orlove and Hernandez.

Discussion ensued regarding litigation.

There being no further business, the executive session adjourned at 6:01 p.m.

Respectfully submitted,

Maria J. Rodriguez
Chairperson



FINANCE & AUDIT COMMITTEE REPORT

Date: February 28, 2019

Submitted by: Mr. Gregory Redfeairn, Chair

Meeting Time: 5:00 p.m.—8:23 p.m.

ATTENDEES

Trustees	Staff	Consultants
Trustee Gregory Redfeairn, Chair	Mr. Charles Burbridge, Executive Director	Mr. Joseph Burns, Board Counsel
Trustee Tina Padilla	Ms. Mary Cavallaro, Deputy Executive Director	
Trustee Mary Sharon Reilly	Ms. Alise White, Chief Financial Officer	
Trustee Maria J. Rodriguez	Ms. Adriane McCoy, Internal Audit Director	
	Ms. Vandana Vohra, Chief Technology Officer	
	Mr. John Schomberg, Chief legal Officer	
	Ms. Janet Camacho, Accountant	

AGENDA ITEMS

1. FY 2018 CPS Agreed Upon Procedures (AUP) Remediation Plan and Status
2. FY 2019 CPS AUP Plan and Timeline
3. Grant Thornton Charter School Pilot Audit Results
4. Report on Employer Payroll Delinquencies & Payroll Audit Adjustments
 - Recommendations Regarding Waiver Requests
5. Recommendation Regarding Cybersecurity and Fiduciary Liability Insurance
6. Recommendation Regarding Microsoft Dynamics Consulting Services RFP Award
7. Executive Session
 - Personnel
 - Litigation
 - Internal Controls

DISCUSSIONS

FY 2018 CPS Agreed Upon Procedures (AUP) Remediation Plan, Status and FY 2019 CPS AUP Plan and Timeline

Deputy Executive Director Mary Cavallaro presented and reviewed a timeline for FY2019 CPS/CTPF Member Census Data Audit. Ms. Cavallaro stated that the first step is an Executive Memorandum of Understanding with CPS to establish timeliness and responsive guidelines for providing accurate data files to Baker Tilly. She stated that CTPF staff will conduct a kick-off meeting with Baker Tilly and CPS to discuss the AUP engagement letter. She stated that after Baker Tilly releases a report of their findings and variances CTPF will establish a 30 day remediation plan. Ms. Cavallaro addressed questions raised by the Board.

Grant Thornton Charter School Pilot Audit Results

Ms. Cavallaro presented the results of the Grant Thornton Charter School Pilot Audit for period dates 1/1/2013 – 6/30/2016. Ms. Cavallaro reviewed the findings for the under-reported contributions by school and the over-reported contributions by school. She stated that five schools under reported totaling \$305,255.00 and five schools over reported contributions totaling (\$9,012.00).

Report on Employer Delinquencies and Payroll Audit Adjustments

Ms. Janet Camacho, Accountant, presented and reviewed the Monthly Aging Report for employer payroll delinquencies and payroll audit adjustments.

Recommendation Regarding Rowe Elementary Charter School Waiver Request

Rowe Elementary Charter School submitted a formal waiver request for the amount of \$31,430.40. The employer stated that they were unable to make timely submission due to the ERS Enhancement Launch. Although the employer had received training, the employer states additional time was needed to learn and understand how to submit payroll records. For this reason, pay period end Dates ranging from 7/4/18 – 9/12/18 were submitted in an untimely manner.

Staff recommends denying waiver and billing Rowe Elementary Charter School waiver request. Rowe has historically submitted untimely payroll(s) during FY 2014- 2017. The employer has paid their historical penalties in full. The employer claimed that the new ERS was difficult to understand, but they did not contact CTPF for assistance with reporting at any point.

Motion to Adopt Staff Recommendation to Deny Rowe Elementary Charter School Waiver and to Refer to the Full Board, Approved

Trustee Redfeairn made a motion, seconded by Trustee Padilla, to accept staff's recommendation to deny waiver and to refer the same to the full Board. The motion passed by the following vote:

Ayes: Ms. Padilla, Mr. Redfeairn—2.

Abstentions: Ms. Rodriguez—1.

Ms. Reilly was not present during the vote.

Recommendation Regarding Cyber Security

Ms. Alise White, Chief Financial Officer, and Ms. Vandana Vohra, Chief Technology Officer, discussed the process and evaluation to procure cyber liability insurance through Mesirow Insurance Services Inc. ("Mesirow"). An evaluation team was formed in December 2018, which included staff from Finance, IT, Legal, Communications, and Internal Audit. Seven insurers were approached, with five of them submitting quotes, and two of them declining the opportunity. Based on the review of cost and coverage Mesirow recommended that Beazley Insurance Company ("Beazley") was the best fit for the needs of CTPF. Mesirow recommended option 3 which is the highest level of coverage; however they did note that the cyber liability benchmark is a bit skewed for several reasons. The peer group is smaller, more diverse, cyber liability is only purchased by 65% of our pension fund clients, the limit profile doesn't differentiate between notification costs within the limit of a liability, or outside of the limit of liability. The way Beazley's program works, CTPF would have 5M plus notification costs for 500,000 notified individuals. CTPF can also change the limit profile at any time, and would only pay for the prorated amount.

The evaluation team concurs with Mesirow's recommendation to purchase Beazley Insurance Company cyber liability insurance coverage, with a maximum aggregated limit of \$5,000,000 and \$500,000 affected individuals at an annual premium of 42,000, which includes brokerage expenses, subject to terms and conditions. Ms. Vohra addressed questions raised by the Trustees.

Motion to Adopt Staff Recommendation to Purchase Cyber Liability Insurance and to Refer to the Full Board, Approved

Trustee Reilly made a motion, seconded by Trustee Padilla, to accept staff's recommendation to purchase cyber liability insurance from Beazley Company and to refer the same to the full Board. The motion passed unanimously.

Recommendation Regarding Fiduciary Liability Insurance

CTPF staff are recommending that an informal procurement be considered by the Board for Fidelity Liability Insurance. According to the National Association of Public Pension Attorneys even though state statutes provide some defense and indemnity protection for public employees in many circumstances, the pension system should consider coordinating and supplementing these protections with additional insurance. Fiduciaries can also be held responsible for their third party agents such as—actuaries, accounting firms, investment consultants and money managers. Based on the initial guidance as to the cost of the insurance, including any broker fee, the annual expenditure would be within the \$100,000 to \$200,000 range and require Board approval.

Staff recommends that CTPF retain a broker fiduciary liability insurance for the Fund to cover Trustees, Administrators and Staff by looking at three or more insurance plans and providers in order to make an ultimate insurance selection.

Motion to Adopt Staff Recommendation Regarding Approval to Retain Fiduciary Liability Insurance and to Refer to the Full Board, Approved

Trustee Redfeairn made a motion, seconded by Trustee Padilla, to accept staff's recommendation to regarding Fiduciary liability insurance and to refer the same to the full Board. The motion passed by the following vote:

Ayes: Ms. Padilla, Mr. Redfeairn, Ms. Reilly—3.

Abstentions: Ms. Rodriguez—1.

Recommendation Regarding Microsoft Dynamics Consulting Services RFP Award

Microsoft Dynamics SL ERP software is utilized by CTPF for financial Reporting. The current Microsoft Dynamics SL consulting and support is not able to meet CTPF requirements for training, customization and special configurations. A staff evaluation committee was formed by Finance, IT Legal and Internal Audit. The committee drafted the RFP document and set out a timeline for the process. Solomon Cloud Solutions the incumbent vendor and RSM responded to the RFP. Given that there were only two submittals and the criticality of this service the evaluation committee determined that a Proof of Concept/Proof of Technology was necessary to fully vet the two vendors and expose any attendant risks associated with each vendor. Four scenarios covering reporting, audit trail monitoring and customizations were provided to the two vendors for written response scenario testing. Ms. White reviewed the Pros and Cons of each option.

Staff recommends that the Microsoft Dynamics Consulting Services RFP award be given to RSM subject to contract negotiations.

Motion to Adopt Staff Recommendation to Award Microsoft Dynamics Consulting Services RFP to RSM, subject to contract negotiations, and to Refer to the Full Board, Approved

Trustee Redfeairn made a motion, seconded by Trustee Reilly, to accept staff's recommendation to award the RFP to RSM and to refer the same to the full Board. The motion passed unanimously.

Executive Session

Motion to go into Executive Session

Trustee Redfeairn made a motion, seconded by Trustee Padilla, and unanimously passed, to go into Executive Session for the purpose of discussing personnel, litigation, and internal controls.

The Executive Session lasted from 7:02 p.m. to 8:23 p.m.

Motion to go into Open Session

Trustee Rodriguez made a motion, seconded by Trustee Padilla, and unanimously passed, to go into open session.

The meeting adjourned at 8:23 p.m.

February 28

2019

PROCEEDINGS
OF THE
Board of Trustees
OF THE
**Public School Teachers' Pension and
Retirement Fund of Chicago**

Executive Session - Official Report

Thursday, February 28, 2019

An Executive Session of the Finance & Audit Committee of the Public School Teachers' Pension and Retirement Fund of Chicago was held Thursday, February 28, 2019.

Chairperson Redfeairn called the meeting to order at 7:02 p.m.

ROLL CALL

Members present: Ms. Tina Padilla, Mr. Gregory Redfeairn, Ms. Mary Sharon Reilly, Ms. Maria J. Rodriguez—4.

Members absent: Mr. Jeffery Blackwell, Mr. Robert F. Bures, Mr. James Cavallero, Ms. Gervaise Clay, Mr. Mark F. Furlong, Mr. Jerry Travlos, Ms. Jacquelyn Price Ward, Ms. Gail Ward—8.

Also in attendance, for all or part of the session, were Ms. Adriane McCoy (*Internal Audit Director*), Mr. John Schomberg (*General Counsel*), and Mr. Joseph Burns (*Board Counsel*) of Jacobs, Burns, Orlove and Hernandez.

Discussion ensued regarding personnel, litigation, and internal controls.

There being no further business, the Executive Session adjourned at 8:23 p.m.

Respectfully submitted,

Gregory Redfeairn
Chairperson

Investment Committee Informal Meeting - Summary of Presenters

March 1, 2019

Attendees: CTPF Trustees: Tina Padilla, Mary Sharon Reilly

Staff: Angela Miller-May, Andrew Kelsen, John Freihammer, Barbara Meyer, Juventina Garcia, Kelly Paulk, James Binsfield, Sharena Bridgmon

Others: Brianne Weymouth of Callan Associates, Mariya Nikolova, Patrick Silvestri, and Vennie Lyons of Attucks, Steve Yoon of MEABF

At the May 20, 2006 Board meeting, Trustees were encouraged to attend Management and Consultant's (Callan) "First Friday" monthly meetings with investment managers and service providers. These meetings provide access to ANY investment service provider that would like to meet with management and Callan and have a product that is potentially beneficial to the Fund. The attendees met with the following investment service providers:

- | | |
|-------------------|---|
| 9:30 a.m. | PIMCO – Jeff Muehlethaler presented his firms fixed income strategy. Founded in 1971, PIMCO helps clients achieve expectations in a low growth environment. Their firm's investment philosophy is to help reduce surplus risks vs liabilities. Pimco has an AUM of \$1.66T. |
| 9:55 a.m. | Nueberger Berman – David Brown and Anthony Woodside presented their firms fixed income strategy. The firm was founded in 1939, and is a private, 100% independent, employee-owned investment manager. Their Firm manages a range of strategies, including equity, fixed income, quantitative and multi-asset class, private equity and hedge Funds on behalf of institutions, advisors and individual investors globally. Their firm has an AUM of \$304B. |
| 10:20 a.m. | Seelaus Asset Management – Kenneth Klein, Christina Goulding and Amy Smoragiewicz presented their firms fixed income strategy. Founded in 2009, Seelaus is a registered SEC investment advisor providing expertise in fixed income and equity portfolio management and investment strategies. The firm is headquartered in Summit, NJ and has a current AUM of \$350M. |
| 10:45 a.m. | MeritKapital LTD – Tatiana Kozlova and Persella Ionnides presented their firms fixed income strategy. MeritKapital focuses on providing investors with capital growth by trading fixed income opportunistically either through a local market niche or through market driven events. The firm has an AUM of \$150M and is a minority female-owned firm. |
| 11:10 a.m. | The Banc Funds - Charles Moore and Cheryl Cortez presented their firms private equity strategy. The Banc Fund is the leader investor in small, U.S.-based financial service companies such as community banks and regional investment banks. The firm takes \$500M companies and work with management to double or triple their size by providing them with strategic and operating value – added as well as capital. The Banc Fund has an AUM of \$1.6B and is a majority owned firm. |
| 11:30 a.m. | Legal & General -Legal & General- Greg Fedorinchik and Shauna Lambright Conza presented their firm ESG/Sustainable Investing strategy. Founded in 1836, Legal & General is the fifth largest institutional asset manager with expertise in investment management and retirement solutions. Their firm has an AUM of \$1.3T. |